

Aggregate Industries
Mid-Atlantic
Land Services
Memorandum

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DEC 13 2017

Environmental Protection

To: Steve Martin
From: Tim Bevard
Date: December 9, 2017
Subject: Quarry License Re-Certification Documentation

Enclosed please find the following documents for the annual recertification of the Quarry License for the Travilah Quarry:

1. Surface Mining License No. SL-0607, expiration date 12-31-17.
2. Surface Mining Permit No. 77-SP-0061, issued by the Maryland Department of the Environment, Land Management Administration, expiration date 03-31-20.
3. State of Maryland, Department of the Environment, Air and Radiation Management Administration, Operating Permit No. 031-0528, expiration date August 31, 2022.
4. Emissions Certification and Toxic Air Pollutants Emission Certification Report for 2016 required under ARMA Operating Permit No. 031-0528.
5. General Discharge Permit 15MM: Discharges from Mineral Mines, Quarries, Borrow Pits and Concrete and Asphalt Plants (NPDES Permit No. MDG 49) issued by the Maryland Department of the Environment. The site Registration Number is 10-MM-1365 with an effective date of November 1, 2017 extending until April 30, 2022. The Notice of Intent (NOI) filed prior to November 1, 2017 is attached. The general permit is in force as of the effective date.
6. NPDES Discharge Monitoring Reports for Outfall No. 1 covering the time period of 04/01/16 through 9/30/17.
7. Quarry Permit Site Plan has been updated by Rodgers Consulting, Inc. dated August 2017.
8. Particulate Control Plan dated December 11, 2017.
9. Certificate of Insurance for general liability, automobile liability, and workers compensation and employer's liability for the period 10/01/17 through 10/01/18.
10. Copy of Performance Bond for Quarry License, Bond Number 929517725 in the sum of \$100,735.00.
11. Seismograph Records including the Vibration and Air Overpressure Summary provided by Sauls Seismic, LLC covering the time period from June 1, 2016 through November 30, 2017.
12. Montgomery County, Department of Permitting Services, Sediment Control Permit No. 203770, expiration date 08-01-19.

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December 9, 2017

Mr. Steven C. Martin
Environmental Health Specialist III
Montgomery County
Department of Environmental Protection
255 Rockville Pike, Suite 120
Rockville, MD 20850

Re: Bardon, Inc. Travilah Quarry
Annual Quarry License Re-Certification

Dear Mr. Martin:

This letter is written to certify that the Travilah Quarry is in compliance with Montgomery County and State of Maryland regulations and the operations of the Travilah Quarry remain unchanged since the current license was re-issued on the anniversary date of February 7, 2017. Enclosed please find a package of documents as prescribed in the Montgomery County Quarry Ordinance for your review in the Annual Quarry License Re-Certification process.

Should you have any questions concerning this submittal or require additional information please do not hesitate to contact me or Tim Bevard at 301-982-1400.

Respectfully,

Richard J. Freedman
Regional Environmental
Land Services Manager

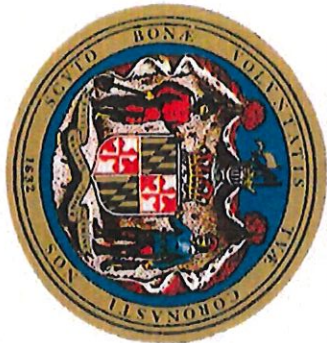
Enclosures

**AGGREGATE INDUSTRIES
MID ATLANTIC REGION**

6401 Golden Triangle Dr., Suite 400
Greenbelt, Maryland 20770
Telephone 301-982-1400
www.aggregate-us.com

A member of the Holcim Group

An AGGREGATE INDUSTRIES company



State of Maryland
Department of The Environment
Land Management Administration

2017

SURFACE MINING LICENSE

NUMBER SL-0607

EXPIRATION DECEMBER 31, 2017

This is to certify that

BARDON, INC.

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Environmental Protection

has complied with the Maryland Surface Mining Act of 1975,
specifically Section 15-807 of the Environment Article of the
Annotated Code of Maryland as amended; and is duly licensed as a
surface mine operator in the State of Maryland.

Hilary Miller

**HILARY MILLER, DIRECTOR
LAND MANAGEMENT ADMINISTRATION**

This License:

- 1. is not transferable**
- 2. must be displayed publicly**
- 3. may be suspended or revoked for cause.**



MARYLAND DEPARTMENT OF THE ENVIRONMENT
LAND MANAGEMENT ADMINISTRATION

SURFACE MINING PERMIT

RENEWAL

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SURFACE MINE PERMIT NO.: 77-SP-0061

PERMIT EFFECTIVE DATE: June 14, 1977

PERMIT EXPIRATION DATE: March 31, 2020

Pursuant to Title 15, Subtitle 8 of the Environment Article, Annotated Code of Maryland (2013 Replacement Volume and 2014 Supplement), the Land Management Administration hereinafter referred to as "the Administration" hereby authorizes the renewal of the above referenced surface mining permit;

PERMITTEE: Bardon, Inc.
6401 Golden Triangle Drive
Suite 400
Greenbelt, MD 20770

The permittee is authorized to engage in a Surface Mining Operation known as Travilah Quarry and located: on Piney Meetinghouse Road between Travilah Road and Shady Grove Road in Montgomery County; as described in the approved Mining and Reclamation Plan dated February 12, 2015 and drawings dated October 6, 2015 and prepared by Rodgers Consulting, Inc. The permit area shall not exceed 302.45 acres as shown on the aforementioned Mining and Reclamation Plan and drawings.

MDE/LMA

PERMIT TO SURFACE MINE NO. 77-SP-0061

Page Two

1. Other Authorizations -- This permit is issued in addition to, and not in substitution of, the requirements of other permits or authorizations granted for the surface mining operation. Issuance of this permit does not relieve the permittee of the obligation to obtain and comply with all other required authorizations.
2. Permit Transfer -- The permit is valid only for use by the Permittee and may not be transferred to another unless written permission for such transfer is obtained from the Administration.
3. Permit on Site -- A copy of the approved Mining and Reclamation Plan, and the permit are to be kept at the mining site available for reference during the period that the permit is in effect.
4. Permit Modification -- Any changes in land areas stipulated in the permit, mining or reclamation practices, schedule of reclamation, and planned land use must have the prior written approval of the Administration. The approval shall be requested by submission of an application for a permit modification or new application.
5. Departmental Modification -- The Administration may modify the permit upon giving the permittee notice and providing an opportunity for an administrative hearing.
6. Compliance with Law/Regulation and Permit: All surface mining operations shall be conducted in compliance with Environment Article 15-801 through 15-834, COMAR 26.23.01 through .06, and the surface mine permit. The permit may be suspended or revoked by the Administration for violation of the surface mine law, regulations, this permit, or any other required approval. The location, dimensions, and type of all structures, reclamation practices and all excavation and filling shall be in accordance with the approved Mining and Reclamation Plan and map.
7. Abandoned Operation -- The surface mining operation shall be considered abandoned if no mineral has been produced or overburden removed for a period of one (1) year and the operator has vacated the site of the operation without having complied with all the requirements of the permit.
8. Halted Operation -- The surface mining operation shall be considered halted if active work has ceased temporarily due to weather or market conditions, or other reasonable cause. An operation may not be halted for a period exceeding twenty-four (24) months. All pollution controls shall be maintained during this period.

PERMIT TO SURFACE MINE NO. 77-SP-0061

Page Three

9. Staking Permitted Area -- The permittee shall mark each corner of the perimeter of the permitted area by placing permanent markers. In addition, the permittee shall place markers along the perimeter of the permitted area no more than two hundred feet (200') apart. The markers shall be no less than three feet (3') above the ground. All of the required markers shall be in place no later than ten (10) days from the effective date of this permit and shall be maintained by the permittee throughout the life of the permit.
10. Haul and Access Roads -- No mud may be tracked onto the public roads. All haul and access roads shall be treated for dust and mud control by the permittee as required by approved Mining and Reclamation Plan and drawings. Should these methods fail to control the dust and mud, the permittee shall treat the roads as directed by the Administration.
11. Completion of Reclamation -- Reclamation activities shall be completed in accordance with the approved Mining and Reclamation Plan and drawings no later than two (2) years after termination of mining on any segment of permit area.
12. Annual Mining and Reclamation Report -- At the end of each calendar year, but before March 31 of the succeeding year, the permittee shall submit an annual mining and reclamation report to the Administration on a form prescribed and furnished by the Administration.
13. Compliance with Non-Tidal Wetlands Regulations -- Maintenance, including excavation or dredging, of wash ponds or sediment control structures is authorized under this permit and COMAR 26.23.01.02.F. Non-tidal Wetlands created incidental to the mining activity authorized under this permit may be reclaimed in accordance with the approved Mining and Reclamation Plan. Any wetlands remaining upon completion of the reclamation authorized by this permit will be regulated pursuant to COMAR 26.23.01 through .06.
14. Annual Permit Fee -- The permittee shall remit an annual permit fee of \$1,000. The annual fee is due by March 31, of each year. Failure to submit the fee by the prescribed date shall be considered as a violation of this permit subject to further administrative action.
15. Aerial Photograph -- The permittee shall submit an aerial photograph showing the entire permit area each year with the annual Mining and Reclamation report. The aerial photograph shall be a contact print at a scale no smaller than 1" = 500'.
16. Pond Approval -- The permanent impoundment that will result from the quarry excavation has been reviewed for pond approval in accordance with Section 5-503 Environment Article, Annotated Code of Maryland. If the final water surface elevation rises high enough to require an outfall, the outfall shall be designed to meet the then applicable standards, and approved by the Administration.

17. Blasting -- The permittee shall monitor all blasting, within the permit area as follows:
 - A. All shots shall be monitored with a seismograph.
 - B. The seismograph shall be of the following type: a direct velocity recording seismograph; capable of producing a permanent record of the three (3) components of ground motion (vertical, transverse, and longitudinal); and have the capacity for internal dynamic calibration.
 - C. The permittee shall make available to the Administration upon request, copies of any or all shot and seismograph reports within 30 calendar days of the request. The reports and records shall be retained for at least four (4) years and be available for inspection.
 - D. Any change in the present blasting procedure as described in the approved Mining and Reclamation Plan shall be reported immediately to the Administration.
18. Published Blasting Schedule --
 - I. The permittee shall publish a blasting schedule in a newspaper of general circulation in the Rockville area and distribute a copy to each resident and owner of any occupied dwelling or structure within 1,000 feet of the quarry extraction limit at least 90 days but not more than 120 days from the effective date of the permit renewal. The blasting schedule shall contain the following information and be republished every 12 months:
 - a. The copies of the schedule shall be sent by regular mail or hand delivered and record of notification and certification of publication shall be retained with the blasting records as required by Condition 17;
 - b. Local name, address and telephone number of Bardon, Inc.;
 - c. Identify as accurately as practical the location of the blasting sites and the time periods (expressed in not more than 5 hour segments, not to exceed an aggregate of 10 hours in any one day) when blasting will occur;
 - d. Methods used to control access to the blasting area;
 - e. A description of the audible warnings and all-clear signals to be used before and after blasting.
 - f. Statement advising that any questions concerning the mining operation should be directed to the Maryland Department of Environment- Minerals, Oil & Gas Division at (410) 537-3557.

- II. If blasting (except for crusher blockages) cannot be conducted in accordance with the published schedule because of weather or other circumstances, the permittee shall notify the Department of the reason and the date and time of blast at least one hour before detonation.
 - III. Prior to Publishing the blasting schedule, a copy of the notice intended for publication shall be submitted to the Administration for review. Upon receipt of written or verbal confirmation of approval from the Administration, the notice may be published.
 - IV. The publication records shall be retained for at least 4 years and be available for inspection.
19. Flyrock -- No flyrock shall leave the permit area. It shall be the responsibility of Bardon, Inc. to prevent flyrock from leaving the permit area. Any noncompliance with this condition shall be immediately reported to the Administration.
20. Performance Bond -- The required bond(s) for the above referenced permit consist of Surety Bond number 929517708 issued by Western Surety Company in the amount of \$378,063. Failure to maintain the required bond may result in the suspension/revocation of the permit and forfeiture of the bond.



HILARY MILLER, ACTING DIRECTOR
LAND MANAGEMENT ADMINISTRATION

5/21/15
DATE



MARYLAND DEPARTMENT OF THE ENVIRONMENT
1800 Washington Boulevard • Baltimore MD 21230
410-537-3000 • 1-800-633-6101 • www.mde.maryland.gov

Larry Hogan
Governor

Boyd Rutherford
Lieutenant Governor

Ben Grumbles
Secretary

May 15, 2015

Mr. Tim Bevard,
Bardon, Inc.
6401 Golden Triangle Drive, Suite 400
Greenbelt, MD 20770

RE: Permit to Surface Mine
No. 77-SP-0061

Dear Mr. Bevard:

Enclosed please find the renewal of surface mine permit no. 77-SP-0061. The review of this renewal has been completed pursuant to Title 15, Subtitle 8 of the Environment Article §5-204, Annotated Code of Maryland and COMAR 26.21.01.01 through .30.

You are authorized to conduct surface mining at the site described in the permit in accordance with the aforementioned statute, regulations, and surface mine permit. Please become familiar with all conditions attached to the permit.

Your cooperation throughout the process has been appreciated. Please call me if you have any questions at (410) 537-3557.

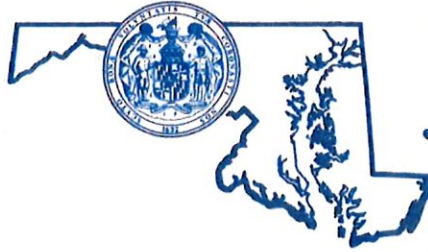
Sincerely,

C. Edmon Larrimore, Program Manager
Mining Program

Enclosures



State of

Lawrence J. Hogan, Jr.
Governor

Maryland

Ben Grumbles
SecretaryBoyd K. Rutherford
Lt. Governor

DEPARTMENT OF THE ENVIRONMENT

Air and Radiation Administration
1800 Washington Boulevard, Suite 720
Baltimore, MD 21230

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☐ Construction Permit☒ Operating Permit

PERMIT NO. 031-0528

DATE ISSUED September 1, 2017

PERMIT FEE To be paid in accordance
with COMAR 26.11.02.19B

EXPIRATION DATE August 31, 2022

LEGAL OWNER & ADDRESS

Aggregate Industries, Inc.
dba Rockville Crushed Stone, Inc.
6401 Golden Triangle Dr; Ste 400
Greenbelt, Maryland 20770Attention: Stephen Ward
General Manager

SITE

Aggregate Industries-Rockville Quarry
13900 Piney Meetinghouse Rd
Rockville, MD 20850
AI # 75

SOURCE DESCRIPTION

One (1) electric powered 900 ton per hour stone crushing and screening plant equipped with a wet suppression system and nine (9) baghouses

One (1) electric powered Portable Rex Lo-Go ready-mix concrete plant equipped with a Griffen Environmental model U-216 baghouse and additional silo

One (1) 2.1 MMBtu/hr No. 2 fuel-oil fired water heater

One (1) electric powered 1000 ton per hour pugmill system and one (1) 100 ton cement silo equipped with a C & W Manufacturing CP-1000 pulse-jet dust collector

This source is subject to the conditions described on the attached pages.

Page 1 of 12

BARDON, INC.
DBA AGGREGATE INDUSTRIES
ROCKVILLE QUARRY
13900 PINEY MEETINGHOUSE ROAD
ROCKVILLE, MARYLAND 20850
PERMIT-TO-OPERATE
PERMIT No. 031-0528

INDEX

Part A – General Provisions

Part B – Applicable Regulations

Part C – Operating Conditions

Part D – Testing, Monitoring, Record Keeping and Reporting

This permit-to-operate incorporates requirements for the following registered installations:

ARMA Registration Number	Description	Date of Installation
031-0528-6-0045	One (1) electric powered 900 ton per hour stone crushing and screening plant equipped with a wet suppression system and nine (9) baghouses consisting of the following equipment: <ul style="list-style-type: none"> - One (1) 900 TPH Allis Chalmers 4266 primary crusher equipped with a baghouse; - One (1) 900 TPH Symons 7' Standard Cone secondary crusher equipped with a baghouse; 	1973
	- Two (2) 350 TPH Svedala H6000 tertiary crushers equipped with two (2) baghouses;	1973 (like kind replacement in 2007)
	- Two (2) 375 TPH Metso 8' x 20' screens venting through the three (3) baghouses associated with the screen house (subject to 40 CFR 60, Subpart OOO pre-April 22, 2008 requirements);	2003
	- One (1) 900 TPH Trio 8' x 24' Triple Deck screen equipped with a wet suppression system (subject to 40 CFR 60, Subpart OOO pre-April 22, 2008 requirements);	2007
	- One (1) 150 TPH Buell fines air classification system including two (2) GI-108 classifiers and one (1) Fisher Klosterman model 416 baghouse;	2009
	- One (1) 350 TPH Nordberg HP400 tertiary crusher equipped with a baghouse;	1973 (like kind replacement in 2014)

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	- Three (3) 375 TPH Deister 8' x 20' screens venting through the three (3) baghouses associated with the screen house; and	1973 (like kind replacement in 2014)
	- One (1) 375 TPH Trio 8' x 20' screen venting through the three (3) baghouses associated with the screen house.	1973 (like kind replacement in 2014)
031-0528-6-0607	Rex Lo-Go electric powered portable ready-mix concrete plant equipped with a Griffen Environmental model U-216 baghouse and two (2) silos.	4/2000; modified in 2006
031-0528-4-1418	One (1) 2.1 MMBtu/hr No. 2 fuel-oil fired water heater.	2013
031-0528-6-0861	One (1) electric powered 1000 ton per hour pugmill system and one (1) 100 ton cement silo equipped with a C & W Manufacturing CP-1000 pulse-jet dust collector.	2008

Part A – General Provisions

- (1) The application (form AMA-26) received at the Department on June 21, 2017 for the renewal of the Permittee's permit-to-operate is incorporated into this permit by reference. If there are any conflicts between representations in the application and representations in this permit, the representations in the permit shall govern. Estimates of dimensions, volumes, emissions rates, operating rates, feed rates and hours of operation included in the application for renewal do not constitute enforceable numeric limits beyond the extent necessary for compliance with applicable requirements.
- (2) Upon presentation of credentials, representatives of the Maryland Department of the Environment ("MDE" or the "Department") and the Montgomery County Department of Environmental Protection shall at any reasonable time be granted, without delay and without prior notification, access to the Permittee's property and permitted to:
 - (a) determine compliance with the requirements of this permit and any applicable regulations;
 - (b) sample, as necessary to determine compliance with requirements of this permit and applicable regulations, any materials stored or

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PERMIT No. 031-0528

processed on site, any waste materials, and any discharge into the environment;

- (c) inspect any monitoring equipment required by applicable regulations or by any permit issued by the Department's Air and Radiation Administration;
 - (d) review and copy any records, including all documents required to be maintained by this permit and by applicable regulations, relevant to the Department's determination of compliance with an air pollution control requirement; and
 - (e) obtain any photographic documentation or evidence necessary to determine compliance with the requirements of this permit and applicable regulations.
- (3) If any provision of this permit is declared by proper authority to be invalid, the remaining provisions of the permit shall remain in effect.
- (4) Nothing in this permit authorizes the violation of any rule or regulation or the creation of a nuisance or air pollution.

Part B – Applicable Regulations

- (1) This source is subject to all applicable federal air pollution control requirements including, but not limited to, the following:
- (a) All applicable terms, provisions, emissions standards, testing, monitoring and record keeping and reporting requirements included in federal New Source Performance Standards (NSPS) promulgated under 40 CFR 60, Subparts A (General Provisions) and Subpart OOO for Nonmetallic Mineral Processing Plants.
 - (b) All notifications required under 40 CFR 60, Subparts A and OOO shall be submitted to both of the following:

The Administrator
Compliance Program
Maryland Department of the Environment
Air and Radiation Administration
1800 Washington Boulevard, STE 715

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Baltimore MD 21230

and

Director, Air Protection Division
U.S. EPA – Region 3
Mail Code 3AP00
1650 Arch Street
Philadelphia, PA 19103-2029

- (2) This source is subject to all applicable federally enforceable State air pollution control requirements including, but not limited to, the following regulations:
- (a) COMAR 26.11.01.07C, which requires that the Permittee report to the Department occurrences of excess emissions.
 - (b) COMAR 26.11.02.09A, which requires that the Permittee obtain a permit-to-construct if an installation is to be modified in a manner that would cause a change in the quantity, nature, or characteristics of emissions referenced in the permit-to-construct issued for that installation.
 - (c) COMAR 26.11.06.02C(2), which prohibits visible emissions other than uncombined water.

Exceptions. The visible emissions standard in COMAR 26.11.09.05A(2) does not apply to emissions during load changing, soot blowing, start-up, or adjustments, or occasional cleaning of control equipment, if: (i) the visible emissions are not greater than 40 percent opacity; and (ii) the visible emissions do not occur for more than 6 consecutive minutes in any 60 minute period.

- (d) COMAR 26.11.06.03B(2), which limits the concentration of particulate matter in any exhaust gases to not more than 0.03 grains per standard cubic foot of dry exhaust gas.
- (e) COMAR 26.11.06.03C & D, which requires reasonable precautions to be used to prevent particulate matter from becoming airborne from materials handling operations, stockpiles, roadways, and other unconfined sources.

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- (f) COMAR 26.11.06.12 which states that a person may not construct, modify, or operate, or cause to be constructed, modified, or operated, a New Source Performance Standard (NSPS) source in a manner which results or will result in violation of the provisions of 40 CFR, Part 60.
 - (g) COMAR 26.11.09.05A(2), which prohibits visible emissions other than uncombined water from fuel burning equipment.
 - (h) Exceptions. The visible emissions standard in COMAR 26.11.09.05A(2) does not apply to emissions during load changing, soot blowing, start-up, or adjustments, or occasional cleaning of control equipment, if: (i) the visible emissions are not greater than 40 percent opacity; and (ii) the visible emissions do not occur for more than 6 consecutive minutes in any 60 minute period.
 - (i) COMAR 26.11.09.07A(2), which limits the sulfur content of distillate fuel oils to not more than 0.3 percent by weight
- (3) This source is subject to all applicable State-only enforceable air pollution control requirements including, but not limited to, the following regulations:
- (a) COMAR 26.11.02.13A(16), which requires that the Permittee maintain and renew as required a valid State permit-to-operate issued by the Department.
 - (b) COMAR 26.11.02.14D, which requires that the Permittee submit to the Department not later than 60 days prior to expiration of this permit a completed application for renewal.
 - (c) COMAR 26.11.02.19C & D, which require that the Permittee submit to the Department annual certifications of emissions, and that the Permittee maintain sufficient records to support the emissions information presented in such submittals.
 - (d) COMAR 26.11.06.08 and 26.11.06.09, which generally prohibit the discharge of emissions beyond the property line in such a manner that a nuisance or air pollution is created.
 - (e) COMAR 26.11.15.05, which requires that the Permittee implement "Best Available Control Technology for Toxics" (T – BACT) to control emissions of toxic air pollutants.

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- (f) COMAR 26.11.15.06, which prohibits the discharge of toxic air pollutants to the extent that such emissions would unreasonably endanger human health.

Part C – Operating Conditions

- (1) The Permittee shall maintain and operate all installations and associated air pollution control equipment so as to assure full and continuous compliance with all applicable air pollution control regulations and permit conditions.
- (2) The Permittee shall properly maintain, calibrate, and operate all control panel instrumentation and all devices employed to monitor performance of the facility's air pollution control devices.
- (3) The Permittee shall vent the exhaust gases from the following equipment through a baghouse prior to discharging to the atmosphere to meet the visible emissions and particulate matter requirements of COMAR 26.11.06.02C(2) and COMAR 26.11.06.03B(2):
 - (a) one (1) 900 TPH Allis Chalmers 4266 primary crusher;
 - (b) one (1) 900 TPH Symons 7' Standard Cone secondary crusher;
 - (c) two (2) 350 TPH Svedala H6000 tertiary crushers;
 - (d) one (1) 350 TPH Nordberg HP400 tertiary crusher;
 - (e) three (3) 375 TPH Deister 8' X 20' screens located in the screen house;
 - (f) one (1) 375 TPH Trio 8' x 20' screen located in the screen house.
 - (g) one (1) 150 TPH Buell fines air classification system;
 - (h) the portable ready-mix concrete batch plant and cement silos; and
 - (i) the pugmill system and cement silo.
- (4) The Permittee shall vent the exhaust gases from the two (2) Metso 8' X 20' screens through a baghouse prior to discharging to the atmosphere to meet the

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visible emissions and particulate matter requirements of COMAR 26.11.06.02C(2) and COMAR 26.11.06.03B(2) and the following requirements of 40 CFR, Part 60, Subpart OOO for sources equipped with a capture systems constructed, modified, or reconstructed after August 31, 1983 but before April 22, 2008:

- (a) no more than 7 percent opacity for dry control devices; and
- (b) no more than 0.022 grains per standard cubic foot of dry exhaust gas.

[Reference: 40 CFR §60.672(a) and Table 2 to 40 CFR 60, Subpart OOO]

- (5) Wet suppression systems shall be used for the one (1) 900 TPH Trio 8' X 24' Triple Deck Screen to meet the fugitive particulate matter requirements of COMAR 26.11.06.03C and COMAR 26.11.06.03D and the 10% opacity limit for fugitive sources specified in 40 CFR, Part 60, Subpart OOO for affected facilities at nonmetallic mineral processing plants constructed, modified, or reconstructed after August 31, 1983 but before April 22, 2008.
[Reference: 40 CFR §60.672(b) and Table 3 to 40 CFR 60, Subpart OOO]
- (6) The Permittee shall burn only No. 2 fuel oil in the water heater unless the Permittee receives an approval from the Department to burn alternate fuels.
- (7) All vehicles entering the property, except those which enter the separate office parking area, must proceed through the wash facility before exiting the property. The wash facility must be operating in a manner that thoroughly cleans all types of vehicles that exit from the quarry, processing or loading area, or which may carry entrained material onto the access road or public roadways.
- (8) All vehicles passing through the wash facility shall be visually inspected by quarry personnel prior to exiting the premises boundary. Those vehicles observed to have residues or entrained material on non-load carrying parts shall not be allowed to exit until the conditions have been corrected.
- (9) During any wash facility down-time, adequate on-site provisions must be available and implemented to prevent carry-over and deposition of foreign material and potentially dust producing substances onto the access road between the wash facility and Piney Meetinghouse Road, and the public roadway beyond.

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PERMIT No. 031-0528

- (10) Washing and sweeping the public road will not be considered an alternate procedure to proper cleaning of vehicles before exiting the quarry property.
- (11) Fugitive particulate emissions from the quarry roadways and stockpiles shall be controlled with water or an approved chemical dust suppressant or a combination thereof.

Part D – Testing, Monitoring, Record Keeping and Reporting

- (1) At least once each calendar year, the Permittee shall perform a black light leak detection test on all baghouses associated with the 900 ton per hour crushing and screening plant (ARMA Registration No. 031-0528-6-0045).
- (2) The Permittee shall maintain a record of the hours of operation each day of all mining, excavation, processing and material handling functions.
- (3) The Permittee shall maintain a record of any down-time the vehicle wash facility experiences and what alternative provisions were made during the down-time to ensure that particulate matter was not entrained on the access road or Piney Meetinghouse Road.
- (4) The Permittee shall maintain for at least five (5) years, and shall make available to the Department upon request, records of the following information:
 - (a) The records of all black light leak detection tests performed on the baghouses;
 - (b) The records of the hours of operation each day of all mining excavation, processing, and materials handling functions;
 - (c) The records of any down-time the vehicle wash facility experiences and the alternate provisions taken during the down-time to ensure that particulate matter was not entrained on the access road or Piney Meetinghouse Road; and
 - (d) The total amount of stone processed by the crushing and screening plant (ARMA Registration No. 031-0528-6-0045) per year.
 - (e) the types and amounts of fuel burned in the water heater each month; and

BARDON, INC.
DBA AGGREGATE INDUSTRIES
ROCKVILLE QUARRY
13900 PINEY MEETINGHOUSE ROAD
ROCKVILLE, MARYLAND 20850
PERMIT-TO-OPERATE
PERMIT No. 031-0528

- (f) all opacity observation and stack test results for 40 CFR 60, Subpart OOO affected facilities.
- (5) The Permittee shall maintain at the facility for at least five (5) years records necessary to support annual certifications of emissions and demonstrations of compliance for toxic air pollutants. Such records shall include, if applicable, the following:
- (a) mass emissions rates for each regulated pollutant, and the total mass emissions rate for all regulated pollutants for each registered source of emissions;
 - (b) accounts of the methods and assumptions used to quantify emissions;
 - (c) all operating data, including operating schedules and production data, that were used in determinations of emissions;
 - (d) amounts, types, and analyses of all fuels used;
 - (e) information concerning operation, maintenance, and performance of air pollution control equipment and compliance monitoring equipment, including:
 - (i) identifications and descriptions of all such equipment;
 - (ii) operating schedules for each item of such equipment;
 - (iii) accounts of any significant maintenance performed;
 - (iv) accounts of all malfunctions and outages; and
 - (v) accounts of any episodes of reduced efficiency.
 - (f) limitations on source operation or any work practice standards that significantly affect emissions; and
 - (g) other relevant information as required by the Department.
- (6) The Permittee shall submit to the Department by April 1 of each year during the term of this permit a certification of emissions for the previous calendar year.

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ROCKVILLE, MARYLAND 20850
PERMIT-TO-OPERATE
PERMIT No. 031-0528

The certifications shall be prepared in accordance with requirements, as applicable, adopted under COMAR 26.11.01.05 – 1 and COMAR 26.11.02.19D.

- (a) Certifications of emissions shall be submitted on forms obtained from the Department.
- (b) A certification of emissions shall include mass emissions rates for each regulated pollutant, and the total mass emissions rate for all regulated pollutants for each of the Permittee's registered sources of emissions.
- (c) The person responsible for a certification of emissions shall certify the submittal to the Department in the following manner:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

- (7) The Permittee shall submit to the Department, by April 1 of each year during the term of this permit, a written certification of the results of an analysis of emissions of toxic air pollutants from the Permittee's facility during the previous calendar year. Such analysis shall include either:
 - (a) a statement that previously submitted compliance demonstrations for emissions of toxic air pollutants remain valid; or
 - (b) a revised compliance demonstration, developed in accordance with requirements included under COMAR 26.11.15 & 16, that accounts for changes in operations, analytical methods, emissions determinations, or other factors that have invalidated previous demonstrations.

BARDON, INC.
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ROCKVILLE QUARRY
13900 PINEY MEETINGHOUSE ROAD
ROCKVILLE, MARYLAND 20850
PERMIT-TO-OPERATE
PERMIT No. 031-0528

- (8) The Permittee shall report, in accordance with requirements under COMAR 26.11.01.07, occurrences of excess emissions to the Compliance Program of the Air and Radiation Administration.

Via: FedEx

March 7, 2017

Maryland Department of the Environment
Air and Radiation Management Administration
1800 Washington Boulevard, Suite 715
Baltimore, MD 21230-1720



RECEIVED

DEC 13 2017

Attention: Ms. Laramie Daniel, Compliance Program

Environmental Protection

Re: 2016 Emissions Certification – Facility Number 031-00528
Rockville Crushed Stone

Dear Ms. Daniel,

Enclosed please find two copies of the Emissions Certification and Toxic Air Pollutants Emission Certification Report for the above referenced facility. It is our commitment to continue to comply with Maryland's Air Toxic Regulations (COMAR 26.11.15) and to the best of our knowledge we have been in full compliance during the past year.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions or require additional information, please do not hesitate to contact myself or Tim Bevard at 301-982-1485 or by e-mail tim.bevard@aggregate-us.com.

Sincerely,

A handwritten signature in blue ink, appearing to read "S. Ward".

Stephen Ward
General Manager - Aggregates

enclosure

**AGGREGATE INDUSTRIES
MID ATLANTIC REGION**

6401 Golden Triangle Dr., Suite 400
Greenbelt, Maryland 20770
Telephone 301-982-1400
www.aggregate-us.com

A member of the Holcim Group

An AGGREGATE INDUSTRIES company

MARYLAND DEPARTMENT OF THE ENVIRONMENT
1800 Washington Boulevard, Suite 715, Baltimore, Maryland 21230-1720
410-537-3000, 1-800-633-6101, <http://www.mde.state.md.us>
Air and Radiation Management Administration
Air Quality Compliance Program
410-537-3220

FORM 1

Air Permit No. 031-00528

**GENERAL FACILITY INFORMATION
EMISSIONS CERTIFICATION REPORT**

Calendar Year: 2016

A. FACILITY IDENTIFICATION		Do Not Write in This Space	
Facility Name: Aggregate Industries - Rockville Crushed Stone		Date Received Regional:	
Address: 13900 Piney Meetinghouse Road		Date Received State:	
City: Rockville County: Montgomery Zip Code: 20850		AIRS Code:	
B. Briefly Describe the Major Function of the Facility Quarry Operation and Concrete Batching		FINDS Code:	
		SIC Code:	
		Facility Number:	
		Source Latitude and Longitude	
C. SEASONAL PRODUCTION (if applicable)		Reviewed:	
Winter (Dec.-Feb.) <u>9%</u> Spring (Mar.-May) <u>32%</u> Summer (Jun.-Aug.) <u>32%</u> Fall (Sep.-Nov.) <u>27%</u>		Name: Date:	
D. Explain any increase /Decrease in Emissions From Previous Calendar Year for Each Registration at this Facility. Stone Production, Concrete Batching, and Pug Mill tons all increased in 2016 Fuel consumption at the concrete batch plant decreased in 2016			
E. CONTROL DEVICE INFORMATION (for Nox and VOC sources only)			
Control Device	Capture Efficiency	Removal Efficiency	
This facility does not use add on	NOX and VOC control devices		

I am familiar with the facility and the installations and sources for which this report is submitted. I have personally examined the information in this report, which consists of 20 pages (including attachments), and certify that the information is correct to the best of my knowledge.

Stephen Ward

General Manager

March 7, 2017

Name (Print/Type)

Title

Date

Signature

(301) 982-1400

Telephone

CRITERIA AIR POLLUTANTS EMISSIONS CERTIFICATION REPORT

2016

Equipment Description Registration No.	SCC Number	Fuel	Actual Emissions		Operating Schedule (Actual)							Operating Schedule			Emissions Method C-3	
			Tons/yr	Lbs/day	Hrs/day	Start	End	Days/wk	Wks/yr	Days/yr	Lbs/day	Hrs/day	Start	End		
Water Heater 031-0528-4-1418	10-20-0502	Heating Oil	S	0.10763	0.7553	12	n/a	n/a	6	52	285	0.90636				
			F													
			S													
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Daily Emissions (Lbs/day) are lbs/operating day of the source

Emission Estimation Method

- A-1- U.S. EPA Reference Method
- A-2- Other Particulate Sampling Train
- A-3- Liquid Absorption Technique
- A-4- Solid Absorption Techniques
- A-5- Freezing Out Technique
- A-9- Other, Specify _____

- C-1- User calculated based on source test or other measurement
C-2- User calculated based on material balance using engineering knowledge of the process
C-3- User calculated based on AP-42
C-4- User calculated by best guess/engineering judgement

- C-5- User calculated based on a State or Local agency emission factor
- C-6- New construction, not operational
- C-7- Source closed, operation ceased
- C-8- Computer calculated based on standard

CRITERIA AIR POLLUTANTS EMISSIONS CERTIFICATION REPORT

2016

Daily Emissions (Lbs/day) are lbs/operating day of the source

C-5- User calculated based on a State or Local agency emission factor

C-6- New construction, not operational

C-7- Source closed, operation ceased

C-8- Computer calculated based on standard

CRITERIA AIR POLLUTANTS

Rockville Batch Plant

FACILITY ID#: 031-00528

POLLUTANT:	CO	CALENDAR YEAR:	2016
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Equipment Description Registration No.	SCC Number	Fuel	Actual Emissions		Operating Schedule (Actual)					TOSD		Operating Schedule		Emissions Method
			Tons/yr	Lbs/day	Hrs/day	Start	End	Days/wk	Wks/yr	Days/yr	Lbs/day	Hrs/day	Start	
Water Heater	10-20-0502	Heating Oil	S	0.02691	0.18882	12	n/a	n/a	6	52	285			C-3
031-0528-4-1418			L											
			S											
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F- Fugitive Emissions

Daily Emissions (lbs/day) are lbs/operating day of the source

TOSD - Typical Ozone Season Day - means a typical day of that time of the year during which conditions for photochemical conditions are most favorable, which is generally during sustained periods of direct sunlight and warm temperatures (April-September). This section needs to be completed only for VOC and NOx sources.

Fuel: Include emissions for each fuel used. If more than one fuel is used, calculate and list emissions Separately for each fuel.

Emission Estimation Method

- | | | |
|---------------------------------------|---|---|
| A-1- U.S. EPA Reference Method | C-1- User calculated based on source test or other measurement | C-5- User calculated based on a State or Local agency emission factor |
| A-2- Other Particulate Sampling Train | C-2- User calculated based on material balance using engineering knowledge of the process | C-6- New construction, not operational |
| A-3- Liquid Absorption Technique | C-3- User calculated based on AP-42 | C-7- Source closed, operation ceased |
| A-4- Solid Absorption Techniques | C-4- User calculated by best guess/engineering judgement | C-8- Computer calculated based on standard |
| A-5- Freezing Out Technique | | |
| A-9- Other. Specify | | |

FORM 2

CRITERIA AIR POLLUTANTS EMISSIONS CERTIFICATION REPORT

FACILITY NAME: Rockville Batch Plant FACILITY ID#: 031-00528 POLLUTANT: VOC CALENDAR YEAR: 2016

Equipment Description Registration No.	SCC Number	Fuel	Actual Emissions		Operating Schedule (Actual)						TOSD		Operating Schedule		Emissions Method
			Tons/yr	Lbs/day	Hrs/day	Start	End	Days/wk	Wks/yr	Days/yr	Lbs/day	Hrs/day	Start	End	
Water Heater	10-20-0502	Heating Oil	S	0.00136	0.00952	12	n/a	n/a	6	52	285	0.01142			C-3
			S												
			F												
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			F												
TOTAL			0.00136	0.00952								0.01142			

S- Stack Emissions

F- Fugitive Emissions

Daily Emissions (Lbs/day) are lbs/operating day of the source

TOSD- Typical Ozone Season Day - means a typical day of that time of the year during which conditions for photochemical conditions are most favorable, which is generally during sustained periods of direct sunlight and warm temperatures (April-September). This section needs to be completed only for VOC and NOx sources.

Fuel: Include emissions for each fuel used. If more than one fuel is used, calculate and list emissions Separately for each fuel.

Emission Estimation Method

- A-1- U.S. EPA Reference Method
- A-2- Other Particulate Sampling Train
- A-3- Liquid Absorption Technique
- A-4- Solid Absorption Techniques
- A-5- Freezing Out Technique
- A-9- Other, Specify
- C-1- User calculated based on source test or other measurement
- C-2- User calculated based on material balance using engineering knowledge of the process
- C-3- User calculated based on AP-42
- C-4- User calculated by best guess/engineering judgement
- C-5- User calculated based on a State or Local agency emission factor
- C-6- New construction, not operational
- C-7- Source closed, operation ceased
- C-8- Computer calculated based on standard

EMISSIONS CERTIFICATION REPORT
Particulate Matter

CALENDAR YEAR:

2016

FACILITY NAME:

Rockville Crushed Stone

FACILITY ID#:

031-00528

POLLUTANT:

PM

Equipment Description Registration No.	SCC Number	Fuel	PM - Filterable Tons/yr	PM 10 - Filterable Lbs/day	PM 2.5 - Filterable Tons/yr	PM 2.5 - Filterable Lbs/day	PM Condensible Tons/yr	PM Condensible Lbs/day	Operation Days/yr	Emissions Method
Primary Crusher										
031-0528-6-0045	30-50-2001	S	0.860	6.030	0.420	2.960			285	C-3
1 - 900 TPH Screen		S								
	30-50-2002	F	1.580	11.060	0.530	3.720	0.040	0.250	285	C-3
Secondary Crusher		S								
	30-50-2001	F	0.690	4.820	0.340	2.370			285	C-3
3 - 375 TPH Screens		S								
	30-50-2021	F	0.760	5.310	0.250	1.790	0.020	0.120	285	C-3
1 - 350 TPH Tertiary		S								
	30-50-2001	F	0.210	1.450	0.100	0.710			285	C-3
2 - 350 TPH Tertiary		S								
	30-50-2001	F	0.480	3.380	0.240	1.680			285	C-3
3 - 375 TPH Screens		S								
	30-50-2021	F	0.500	3.540	0.170	1.190	0.010	0.080	285	C-3
Concrete Batching		S								
031-0528-6-0607	30-50-1110	F	2.280	16.010	0.640	4.510	0.210	1.440	285	C-3
Pug Mill		S								
031-0528-6-0861	30-50-2032	F	0.050	0.370					285	C-3
Buell Classifier		S								
031-0528-6-0045	30-50-2003	F	1.610	11.310	0.740	5.230	0.290	2.060	285	C-3
TOTAL			9.020	63.280	3.430	24.140	0.570	3.950		

S- Stack Emissions

F- Fugitive Emissions

Daily Emissions (Lbs/day) are lbs/operating day of the source

TOSD- Typical Ozone Season Day - means a typical day of that time of the year during which conditions for photochemical conditions are most favorable, which is generally during sustained periods of direct sunlight and warm temperatures (April-September). This section needs to be completed only for VOC and NOx sources.

Fuel: Include emissions for each fuel used. If more than one fuel is used, calculate and list emissions Separately for each fuel.

Emission Estimation Method

- A-1- U.S. EPA Reference Method
- A-2- Other Particulate Sampling Train
- A-3- Liquid Absorption Technique
- A-4- Solid Absorption Techniques
- A-5- Freezing Out Technique
- A-9- Other, Specify

- C-1- User calculated based on source test or other measurement
- C-2- User calculated based on material balance using engineering knowledge of the process
- C-3- User calculated based on AP-42
- C-4- User calculated by best guess/engineering judgement

- C-5- User calculated based on a State or Local agency emission factor
- C-6- New construction, not operational
- C-7- Source closed, operation ceased
- C-8- Computer calculated based on standard

TOXIC AIR POLLUTANTS

Facility ID#: 031-00528

Calendar Year: **2016**

Equipment Description/ Registration Number	Actual Emissions		Control Device**	% Efficiency
	Lbs/hour	Tons/Yr		
	None			
TOTALS	None	None		

*See attachment 1 for the minimum reporting values.

⁺⁺S = Scrubber, B = Baghouse, ESP = Electrostatic Precipitator, A = Afterburner, C = Condensor,

AD = Adsorption, O = Other

FORM 5

BILLABLE TOXIC AIR POLLUTANTS EMISSIONS CERTIFICATION REPORT

Facility Name: **Rockville Crushed Stone**

Facility ID#: **031-00528**

Pollutant: **NONE**

Calendar Year: **2016**

Chemical Name	CAS Number		Actual Emissions		Estimation Method
			Lbs/hr	Tons/year	
carbon disulfide	75-15-0	S			
		F			
carbonyl sulfide	463-58-1	S			
		F			
chlorine	7782-50-5	S			
		F			
cyanide compounds	57-12-5	S			
		F			
hydrochloric acid	7647-01-0	S			
		F			
hydrogen fluoride	7664-39-3	S			
		F			
methyl chloroform	71-55-6	S			
		F			
methylene chloride	75-09-2	S			
		F			
perchloroethylene	127-18-4	S			
		F			
phosphine	7803-51-2	S			
		F			
titanium tetrachloride	7550-45-0	S			
		F			
TOTALS			None	None	

Emission Estimation Method

- A1- U.S. EPA Reference Method
- A2- Other Particulate Sampling Train
- A3- Liquid Absorption Technique
- A4- Solid Absorption Technique
- A5- Freezing Out Technique
- A9- Other, Specify:

- C1- User calculator based on source test or other measurement
- C2- User calculated based on material balance using engineering knowledge of the process
- C3- User calculated based on AP-42
- C4- User calculated by best guess/engineering judgement
- C5- User calculated based on State or local agency factor
- C6- New construction, not operational
- C7- Source closed, operation ceased
- C8- Computer calculated based on standards

This form to include only the eleven chemicals identified.

S- Stack Emissions F- Fugitive Emissions Daily Emissions (lbs/day) are lbs/operating day of the source

Calendar Year: 2016

Pollutant: CH₄

This form must be used to report Greenhouse gas emissions:

- carbon dioxide (CO₂)
- methane (CH₄)
- nitrous oxide (N₂O)
- hydrofluorocarbons (HFCs)
- perfluorocarbons (PFCs)
- sulfur hexafluoride (SF₆)

* Use a separate form for each pollutant.

* Please attach all calculations.

FORM 6: Greenhouse Gases

GREENHOUSE GAS AIR POLLUTANTS

Calendar Year: 2016

EMISSIONS CERTIFICATION REPORT

Facility Name: Rockville Batch Plant

Facility ID: 031-00528

Pollutant: N2O

Actual Emissions		Actual Emissions		
Equipment Description/ Registration Number1	Tons/yr	Lbs/day	Lbs/hr	
Water Heater 031-0528-4-1418	0.00140	0.00982	0.00082	

TOTALS	0.00140	0.00982	0.00082	

This form must be used to report
Greenhouse gas emissions:

carbon dioxide (CO2)
methane (CH4)
nitrous oxide (N2O)
hydrofluorocarbons (HFCs)
perfluorocarbons (PFCs)
sulfur hexafluoride (SF6)

* Use a separate form for each pollutant.
* Please attach all calculations.

1 Emissions must be broken down by equipment registration number (ex. 9-0076, 9-0077)
1/15/2008

Calendar Year: 2016

Pollutant: HFCs

This form must be used to report Greenhouse gas emissions:

- carbon dioxide (CO₂)
- methane (CH₄)
- nitrous oxide (N₂O)
- hydrofluorocarbons (HFCs)
- perfluorocarbons (PFCs)
- sulfur hexafluoride (SF₆)

* Use a separate form for each pollutant.

* Please attach all calculations.

FORM 6: Greenhouse Gases

GREENHOUSE GAS AIR POLLUTANTS Calendar Year: 2016

EMISSIONS CERTIFICATION REPORT

Facility Name: Rockville Batch Plant

Facility ID: 017-0202

Pollutant: SF6

Actual Emissions	Actual Emissions		
	Tons/yr	Lbs/day	Lbs/hr
Equipment Description/ Registration Number1			
Water Heater 031-0528-4-1418	None	None	None
TOTALS	None	None	None

This form must be used to report
Greenhouse gas emissions:

carbon dioxide (CO2)
methane (CH4)
nitrous oxide (N2O)
hydrofluorocarbons (HFCs)
perfluorocarbons (PFCs)
sulfur hexafluoride (SF6)

* Use a separate form for each pollutant.
* Please attach all calculations.

1 Emissions must be broken down by equipment registration number (ex. 9-0076, 9-0077)
1/15/2008

October 30, 2017

Maryland Department of the Environment
PO Box 2057
Baltimore, MD 21203-2057

Re: Rockville Quarry
13900 Piney Meetinghouse Rd
Rockville, MD 20850
15-MM-1365 NOI and fee



Dear MDE:

Attached is the Notice of Intent (NOI) application for the facility described above. The fee in the amount of \$2,300 was already mailed to your department on March 29, 2017. Attached is a copy of the fee. Since the fee was paid earlier this year, another fee is not enclosed with the NOI. The Stormwater Pollution Prevention Plan (SWP3) was emailed to swppp.permit@maryland.gov. Montgomery County was notified of our permit, a copy of the letter is attached. If you have any questions please call Lisa Hunt at 301-982-1400 extension 60520.

Sincerely,

A handwritten signature in blue ink, appearing to read "S. Ward".

Stephen Ward
General Manager – Aggregate Division

SW/lmh

Enclosure

RECEIVED
DEC 13 2017
Environmental Protection

**AGGREGATE INDUSTRIES
MID ATLANTIC REGION**
6401 Golden Triangle Dr., Suite 400
Greenbelt, Maryland 20770
Telephone 301-982-1400
www.aggregate-us.com

A member of the Holcim Group

An AGGREGATE INDUSTRIES company

October 30, 2017

Montgomery County
Department of Environmental Protection - main office
255 Rockville Pike, Suite 120
Rockville MD 20850



Re: Rockville Quarry
13900 Piney Meetinghouse Rd
Rockville, MD 20850
General Water Discharge Permit 15-MM-1365

Dear Montgomery County:

We are submitting an application for a General Water Discharge Permit to Maryland Department of the Environment (MDE) for the above described facility. The application for the permit requires all facilities that may discharge to a municipal storm sewer system (MS4) to contact the jurisdiction. Since the facility listed above is in your jurisdiction, this letter constitutes as the notification.

If you have any questions, please call Lisa Hunt at 301-982-1400 extension 60520.

Sincerely,

Stephen Ward
General Manager -- Aggregate Division

SW/lmh

RECEIVED

DEC 13 2017

Environmental Protection

**AGGREGATE INDUSTRIES
MID ATLANTIC REGION**

6401 Golden Triangle Dr., Suite 400
Greenbelt, Maryland 20770
Telephone 301-982-1400
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MARYLAND DEPARTMENT OF THE ENVIRONMENT
General Discharge Permit For Discharges from Mineral Quarries,
Borrow Pits, and Concrete and Asphalt Plants
Notice of Intent (NOI) for Maryland General Permit No. 15-MM

DISCHARGE PERMIT NO. 15-MM-0000

NPDES PERMIT NO. MDG490000

SECTION I: Facility Operator Information

(A) Owner/Operator Name

Bardon, Inc.

(B) Primary Contact Name

Title

Sharon Hogan

Compliance and EMS Manager

Telephone Number

Email Address

301-982-1400

Sharon.Hogan@aggregate-us.com

(C) Mailing Address

Street

6401 Golden Triangle Drive, Suite 400

City

State

ZIP Code

Greenbelt

MD

20770

(D) IRS Employer Identification Number (EIN)

(E) Ownership Type - check below

54-1544548

☒

Private

☐

Federal

☐

State/Local

(F) Worker's Compensation Insurance:

Insurance Company Name

Policy Number

ACE American Insurance Company

WLRC64620289

SECTION II: Facility Information

(A) Name of Facility

Rockville Quarry

(B) Facility Address (if different than your mailing address)

Street

13900 Piney Meetinghouse Rd

City

State

ZIP Code

County

Rockville

MD

20850

Montgomery

For MDE use only:

Facility #

Receipt #

Date:

PCA 13710

Comp Object 5710

Suffix 411

MARYLAND DEPARTMENT OF THE ENVIRONMENT
NOI for Permit No. 15-MM

Submission of this NOI constitutes notice that the party identified in Section I of this form intends to be authorized by a State/ National Pollutant Discharge Elimination System (NPDES) permit issued for discharges from Mineral Quarries, Borrow Pits, and Concrete and Asphalt Plants identified in Section II of this form. All information requested must be provided in order to be considered for authorization to discharge under this permit. Instructions are provided at the end of this form.

SECTION II (continued): Facility Information			
(C) Provide the primary four-digit SIC code that best represents the principal products or activities provided by the facility, and any co-located SIC codes.			
Primary SIC: 1422	Co-located SICs: 3273, 7699,	Description of your primary industrial activity: rock quarry	
(D) Latitude 39.078 (in decimal 05 degrees)	Longitude -77.225 (in decimal 83 degrees)	(E) <input type="checkbox"/> Check here if you a new discharger. If not a new discharger, provide the previous registration (e.g., 10MM1234) 10-MM-1365	
(F) Total property size 296 (in acres)		(G) <input type="checkbox"/> Check if your facility is inactive and unstaffed.	
(H) Identify the 8 digit identifier(s) and name(s) of the receiving water(s). Potomac River Montgomery County 02140202			
Identify which of these impairments have been identified for the receiving water(s). (Category 4a, 4b, 4c, or 5 waterbodies)	<input type="checkbox"/> Bacteria <input type="checkbox"/> Biological <input type="checkbox"/> Ions <input type="checkbox"/> Metals <input type="checkbox"/> Nutrients <input type="checkbox"/> PCBs <input type="checkbox"/> Pesticides <input type="checkbox"/> pH <input type="checkbox"/> Stream Modifications <input type="checkbox"/> Sediments <input type="checkbox"/> Toxics <input type="checkbox"/> Trash		
<input type="checkbox"/> Check here if any of the receiving water(s) are listed as high quality (Tier 2)			
Check if stream is protected for <input type="checkbox"/> Use III <input type="checkbox"/> Use IV			
Identify your local MS4 jurisdiction or N/A if your facility is not within an MS4: Montgomery County			
SECTION III: Stormwater Pollution Prevention Plan (SWPPP) and Monitoring			
The 15MM permit does require you to evaluate and implement specific control measures and effluent limits. It requires you to perform quarterly visual monitoring, may include numeric limits, benchmark monitoring and reporting for specific industrial sectors. It requires you to update your SWPPP to encompass the new controls required and provide this in conjunction with your NOI, and then keep an updated SWPPP onsite.			
(A) Has the SWPPP been prepared in advance of filing this NOI, as required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
(B) Stormwater Pollution Prevention Plan (SWPPP) Primary Contact (if different than section I.B)			
Name	Sharon Hogan		
Title	Compliance and EMS Manager		
Telephone Number	Email Address		
301-982-1400	Sharon.Hogan@aggregate-us.com		
SWPPP Delivery Method (URL, email, etc.)		email to swppp.permit@maryland.gov	

MARYLAND DEPARTMENT OF THE ENVIRONMENT
NOI for Permit No. 15-MM

SECTION IV: Discharge Information

Use the table in the instructions to choose the appropriate benchmarks and effluent limitations that apply for the stormwater discharges at each of the outfalls at your facility and fill out the information in the table below:

Outfalls Information: (Attach a separate list if necessary)

List all of outfalls from your facility. Each outfall must be identified by a unique 3-digit ID (e.g. 001, 002).		Benchmark Table(s)		Effluent Limitations Table(s)	
Outfall ID	001	<input type="checkbox"/> A-1	<input checked="" type="checkbox"/> E-2	<input type="checkbox"/> A-3	<input checked="" type="checkbox"/> E-5
Latitude (decimal)	39.076	<input type="checkbox"/> A-2	<input checked="" type="checkbox"/> J-1	<input type="checkbox"/> AD.C-1	<input checked="" type="checkbox"/> J-2
Longitude (decimal)	-77.2325	<input type="checkbox"/> C-1	<input checked="" type="checkbox"/> L-1	<input type="checkbox"/> C-3	<input type="checkbox"/> J-3
* Identical Outfalls		<input type="checkbox"/> D-1	<input type="checkbox"/> L-2	<input type="checkbox"/> D-2	<input type="checkbox"/> J-4
* Flow (GPD)	505,125	<input type="checkbox"/> E-1		<input type="checkbox"/> E-3	<input type="checkbox"/> J-5
				<input checked="" type="checkbox"/> E-4	<input checked="" type="checkbox"/> J-6
Outfall ID		<input type="checkbox"/> A-1	<input type="checkbox"/> E-2	<input type="checkbox"/> A-3	<input type="checkbox"/> E-5
Latitude (decimal)		<input type="checkbox"/> A-2	<input type="checkbox"/> J-1	<input type="checkbox"/> AD.C-1	<input type="checkbox"/> J-2
Longitude (decimal)		<input type="checkbox"/> C-1	<input type="checkbox"/> L-1	<input type="checkbox"/> C-3	<input type="checkbox"/> J-3
* Identical Outfalls		<input type="checkbox"/> D-1	<input type="checkbox"/> L-2	<input type="checkbox"/> D-2	<input type="checkbox"/> J-4
* Flow (GPD)		<input type="checkbox"/> E-1		<input type="checkbox"/> E-3	<input type="checkbox"/> J-5
				<input type="checkbox"/> E-4	<input type="checkbox"/> J-6
Outfall ID		<input type="checkbox"/> A-1	<input type="checkbox"/> E-2	<input type="checkbox"/> A-3	<input type="checkbox"/> E-5
Latitude (decimal)		<input type="checkbox"/> A-2	<input type="checkbox"/> J-1	<input type="checkbox"/> AD.C-1	<input type="checkbox"/> J-2
Longitude (decimal)		<input type="checkbox"/> C-1	<input type="checkbox"/> L-1	<input type="checkbox"/> C-3	<input type="checkbox"/> J-3
* Identical Outfalls		<input type="checkbox"/> D-1	<input type="checkbox"/> L-2	<input type="checkbox"/> D-2	<input type="checkbox"/> J-4
* Flow (GPD)		<input type="checkbox"/> E-1		<input type="checkbox"/> E-3	<input type="checkbox"/> J-5
				<input type="checkbox"/> E-4	<input type="checkbox"/> J-6
Outfall ID		<input type="checkbox"/> A-1	<input type="checkbox"/> E-2	<input type="checkbox"/> A-3	<input type="checkbox"/> E-5
Latitude (decimal)		<input type="checkbox"/> A-2	<input type="checkbox"/> J-1	<input type="checkbox"/> AD.C-1	<input type="checkbox"/> J-2
Longitude (decimal)		<input type="checkbox"/> C-1	<input type="checkbox"/> L-1	<input type="checkbox"/> C-3	<input type="checkbox"/> J-3
* Identical Outfalls		<input type="checkbox"/> D-1	<input type="checkbox"/> L-2	<input type="checkbox"/> D-2	<input type="checkbox"/> J-4
* Flow (GPD)		<input type="checkbox"/> E-1		<input type="checkbox"/> E-3	<input type="checkbox"/> J-5
				<input type="checkbox"/> E-4	<input type="checkbox"/> J-6
Outfall ID		<input type="checkbox"/> A-1	<input type="checkbox"/> E-2	<input type="checkbox"/> A-3	<input type="checkbox"/> E-5
Latitude (decimal)		<input type="checkbox"/> A-2	<input type="checkbox"/> J-1	<input type="checkbox"/> AD.C-1	<input type="checkbox"/> J-2
Longitude (decimal)		<input type="checkbox"/> C-1	<input type="checkbox"/> L-1	<input type="checkbox"/> C-3	<input type="checkbox"/> J-3
* Identical Outfalls		<input type="checkbox"/> D-1	<input type="checkbox"/> L-2	<input type="checkbox"/> D-2	<input type="checkbox"/> J-4
* Flow (GPD)		<input type="checkbox"/> E-1		<input type="checkbox"/> E-3	<input type="checkbox"/> J-5
				<input type="checkbox"/> E-4	<input type="checkbox"/> J-6
Outfall ID		<input type="checkbox"/> A-1	<input type="checkbox"/> E-2	<input type="checkbox"/> A-3	<input type="checkbox"/> E-5
Latitude (decimal)		<input type="checkbox"/> A-2	<input type="checkbox"/> J-1	<input type="checkbox"/> AD.C-1	<input type="checkbox"/> J-2
Longitude (decimal)		<input type="checkbox"/> C-1	<input type="checkbox"/> L-1	<input type="checkbox"/> C-3	<input type="checkbox"/> J-3
* Identical Outfalls		<input type="checkbox"/> D-1	<input type="checkbox"/> L-2	<input type="checkbox"/> D-2	<input type="checkbox"/> J-4
* Flow (GPD)		<input type="checkbox"/> E-1		<input type="checkbox"/> E-3	<input type="checkbox"/> J-5
				<input type="checkbox"/> E-4	<input type="checkbox"/> J-6

MARYLAND DEPARTMENT OF THE ENVIRONMENT
NOI for Permit No. 15-MM

SECTION V: Chemical Additives

Will you use chemical additives? ☒ Yes Will you use cationic chemical additives? ☐ Yes

The use of any cationic chemical additives, that will mix with stormwater or that might otherwise become part of the effluent discharged, is prohibited without prior approval.

To obtain approval, refer submit a signed *Request for Cationic Chemical Additive Form* and refer to the *Use of Treatment Chemicals Guidance Document* for further requirements.


SECTION VI: Permit Fee Selection

All discharges to groundwater ONLY	No Fee	<input type="checkbox"/>
Average Daily Discharge Volume: Less than 1,000 Gallons Per Day	\$110	<input type="checkbox"/>
Average Daily Discharge Volume: 1,000—5,000 Gallons Per Day	\$275	<input type="checkbox"/>
Average Daily Discharge Volume: 5,001—50,000 Gallons Per Day	\$600	<input type="checkbox"/>
Average Daily Discharge Volume: 50,001—100,000 Gallons Per Day	\$1175	<input type="checkbox"/>
Average Daily Discharge Volume: 100,001—250,000 Gallons Per Day	\$1740	<input type="checkbox"/>
Average Daily Discharge Volume: 250,001—1,000,000 Gallons Per Day	\$2300	<input checked="" type="checkbox"/>
Average Daily Discharge Volume: Greater than 1,000,000 Gallons Per Day	\$2875	<input type="checkbox"/>

SECTION VII: Certification

To be completed by a responsible corporate officer, proprietor, general partner, principal executive officer, or ranking elected official or their duly authorized representative, as detailed in Part II.C of the permit.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature/Certifier	Date
	Oct. 30, 2017

Signatory Name/Title: Typed or Printed	Telephone Number
Stephen Ward / General Manager	301-982-1400

NOI Preparer (Complete if NOI was prepared by someone other than the certifier)

Prepared by:	Lisa M. Hunt
Telephone Number	Email Address
301-982-1400	lisa.hunt@aggregate-us.com

Submit completed form and FEE (payable to Maryland Department of the Environment) to:

Maryland Department of the Environment, P.O. Box 2057, Baltimore, MD 21203-2057

MARYLAND DEPARTMENT OF THE ENVIRONMENT
NOI for Permit No. 15-MM, NPDES PERMIT NO. MDG49
FORM INSTRUCTIONS

WHO MUST FILE

The operator of a facility that is requesting to discharge water from mineral quarries, borrow pits, concrete and asphalt plants must submit a Notice of Intent (NOI) to obtain coverage under the National Pollutant Discharge Elimination System (NPDES) General Discharge Permit No. 15-MM. If you have a question about whether you need this permit or any NPDES permit, contact the Maryland Department of the Environment (MDE), Wastewater Permits Program, at 410-537-3323.

Submission of this NOI constitutes notice that the party identified in Section I of this form intends to be authorized by a State/ NPDES permit issued for stormwater discharges from industrial facilities identified in Section II of this form. Authorization to discharge begins upon notification of registration by MDE. The permit is available using this link <http://9nl.at/MD-MMGP> or via MDE's website.

SECTION I: Owner/Operator Information

- (A) Provide the legal name of the person, firm, public organization, or other entity that operates the industrial facility described in Section II of this application. An operator of a facility is a legal entity that controls the operation of the facility.
- (B) Provide the name of the Primary Contact; title of Primary Contact; Primary Contact phone number; Primary Contact e-mail address.
- (C) Provide the primary facility contact mailing address; city; state; zip. All correspondence will be sent to this address.
- (D) Provide the IRS Employer Identification Number (EIN).
- (E) Identify whether the owner/operator is private, federal or state/local government.
- (F) Provide worker's compensation insurance information for the facility identified in this section of the application.

SECTION II: Facility Information

- (A) Provide the name of facility – enter "same" if the name does not differ from the information in Section I(A).
- (B) Provide the physical address; city; state; zip – enter "same" if the address does not differ from the information in Section I(C); Provide the County where the facility is located. If this is a contiguous system spanning multiple counties or cities, list all county or city associated with mailing address.
- (C) Provide the primary and any co-located four-digit Standard Industrial Classification (SIC) code describing the facility. Also provide a short written explanation of the industrial process category (e.g., scrap recycling of automobiles). The current Department of Labor's - Occupation, Safety and Health Administration (OSHA) website (<http://www.osha.gov/pls/imis/sicsearch.html>) provides a detailed written description of SIC codes.
- (D) Provide latitude and longitude of the discharge/outfalls requesting to be permitted. To obtain coordinates, you may use a GPS to find location within your site. There are internet options that you can also use, such as Google's Tool. A step by step method can be found at this URL: <http://9nl.at/MD-FindGPS>. We require the coordinates be in degrees decimal. An example of this for Maryland Department of the Environment at 1800 Washington Blvd, Baltimore, MD would be latitude of 39.276027, longitude of -76.644779.
- (E) Identify if you are a new discharger, or previously covered under another permit. Identify any previously obtained NPDES permit (general or individual) for your stormwater discharges. If applicable, include the permit number. (e.g., 10MM1234 general permit or 12DP1234 individual permit, where 1234 was the unique 4 digit designation for your coverage).
- (F) Provide the total property size at the address, including both the industrial and non-industrial portions of your property (e.g., 2 acres).
- (G) Indicate whether your facility is currently inactive and unstaffed (Part V.A.4 of the permit). Note that if your facility becomes inactive and unstaffed during the permit term, you must notify the Department immediately.
- (H) This section is to verify information about where the stormwater is discharged. Identify the name(s) and 8 digit identifier of the receiving stream or water (e.g., Gwynns Falls 02130905), using the Department's "FindMyWatershed" tool at this link <http://9nl.at/MD-Watershed>. When using the "FindMyWatershed" tool type in your address, and then place your mouse at your discharge points and left-click to bring up the identifier and receiving water.

To verify if receiving waters are impaired (Category 4a, 4b, 4c, or 5 water bodies), use the Departments "Integrated Report Water Quality Assessment Maps" at this link <http://9nl.at/MD-Impaired> and review each of the impairments provided on that website (bacteria, biological, ions, metals, nutrients, PCBs, pesticides,

MARYLAND DEPARTMENT OF THE ENVIRONMENT

NOI for Permit No. 15-MM, NPDES PERMIT NO. MDG49

FORM INSTRUCTIONS

pH, stream modifications, sediments, toxics or trash) for your facility location. When looking at each of the maps, you can use the Legend Button on the upper right side of the map to identify what each color or shading means.

To verify if the receiving waters are designated as high quality waters, use the Department's "Tier 2" tools at this link <http://9nl.at/MD-Tier2> to locate your facility location and identify if the stream or catchment are categorized as Tier 2. The "Tier 2" tools have shaded areas that indicate where waters are designated as high quality or Tier 2 waters.

To verify whether your receiving stream is a Use III or Use IV, use the Department's "Designated Use" map at this link <http://9nl.at/MD-DesigUse>.

If your facility discharges to a municipal storm sewer system (MS4), you are required to contact the jurisdiction. Local storm sewer systems under NPDES permits are listed at: <http://9nl.at/MD-MS4>. If you are uncertain of the MS4 operator, contact your local government department of public works for that information.

SECTION III: Stormwater Pollution Prevention Plan (SWPPP) and Monitoring

- (A) Preparation and delivery of the SWPPP is required prior to the submittal of the NOI.
- (B) Indicate how you are providing your SWPPP to the Department, either online with appropriate URL (provide your URL in the space on the form), by email, or other methods provided in the permit. Also, identify the name, telephone number, and email address of the person who will serve as a contact for the Department on issues related to stormwater management at your facility. This person should be able to answer questions related to stormwater discharges, the SWPPP and other issues related to stormwater permit coverage, or have immediate access to individuals with that knowledge.

SECTION IV: Discharge Information

Depending on your industrial activities, your facility may be subject to benchmarks or federal effluent limitation guidelines which include additional effluent limits and monitoring requirements for your facility. Review the summary table below in order to check the appropriate box(es) in the table in section IV where you must provide information for each of the outfalls on site. If there are any substantially identical outfalls, indicate it in the table by listing the outfall ID(s) in the appropriate box. For Outfalls subject to limits, list the Flow in Gallons Per Day (GPD).

Discharge Type	Table*	Benchmarks	Effluent Limitations
Sector A3 Storage and Handling Facilities (SIC 2411)	A-1	✓	
Sector A4 Natural Woodwaste Facilities (SIC 2499)	A-2	✓	
Wetting of logs at wet deck storage areas	A-3		✓
Sector C1 Composting Facilities (SIC 2875)	C-1	✓	
Phosphate fertilizer manufacturing (SIC 2874)	C-3		✓
Sector D1 Asphalt Paving and Roofing Materials (SIC 2951, 2952)	D-1	✓	
Asphalt Emulsion Facilities	D-2		✓
Sector E1 Clay Product Manufacturers (SIC 3251-3259, 3261-3269)	E-1	✓	
Sector E2 Concrete Gypsum Product Manufacturers (SIC 3271-3275)	E-2	✓	
Cement Manufacturing Storage Pile Run-off	E-3		✓
Concrete Washout from Concrete Mixer Trucks, Moulds, or Equipment	E-4		✓
Concrete Plant Vehicle Wash Water Only	E-5		✓
Sector J1 Sand and Gravel Mining (SIC 1442, 1446) and Stone and Minerals (SIC 1411, 1422-1429, 1481, 1499)	J-1	✓	
Dewatering and/or process water discharges at crushed or broken limestone mining facilities (SIC 1422)	J-2		✓
Dewatering discharges at crushed stone mining facilities (SIC 1423-1429)	J-3		✓
Dewatering discharges at construction sand and gravel mining facilities and clay mines (SIC 1442, 1455-1459)	J-4		✓
Dewatering discharges at industrial sand mining facilities (SIC 1446)	J-5		✓
Vehicle washing at Mining Facility	J-6		✓
Sector L4 Concrete or Asphalt Recycling	L-1, L-2	✓	
Wastewater from Hydro-blasting Operations	AD.C-1		✓

* Please see the referenced tables in Appendix D of the permit.

SECTION V: Chemical Additives

Form Number: MDE/WMA/PER.009

Revision Date: May 2017

TTY Users 1-800-735-2258

page 6 of 7

MARYLAND DEPARTMENT OF THE ENVIRONMENT
NOI for Permit No. 15-MM, NPDES PERMIT NO. MDG49
FORM INSTRUCTIONS

Confirm whether any Chemical Additives are used in the treatment of water, and whether you cationic chemical additives (Part III.B.1.b.v) which you are requesting approval for use (Part I.E.5). The use of polymers, flocculants, or other treatment chemicals, including use of cationic treatment chemicals (Part III.B.1.b.v), require that you include documentation in your SWPPP of the appropriate controls and implementation procedures designed to ensure that your use of treatment chemicals will not lead to a violation of water quality standards.

SECTION VI: Permit Fee

Indicate the amount sent with this NOI form. Mineral mines, quarries, and borrow pits which discharge mining wastewater, process generated wastewater, and storm water to ground water only are exempt from the permit fee. The permit fee for discharges from mineral quarries, borrow pits, and concrete and asphalt plants stormwater is based on the total volume of effluent discharged from the facility. The fee shall be submitted with the NOI. The permittee shall pay an annual permit fee. The annual rate and application fee may change over time, so you are encouraged to check COMAR 26.08.04.09-1(F) at the time of your application.

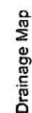
SECTION VII: Certification

Signatures and Certifications are detailed in the permit Part II.C. Individuals who discharge to waters of the State without an individual State or general State/NPDES discharge permit, are in violation of the Federal Clean Water Act and of the Environment Article, Annotated Code of Maryland, and may be subject to penalties. An original signature and date is required.

A completed form will not be processed until the fee has been paid-in-full and your SWPPP has been received.

HOW TO SUBMIT:

Send the completed NOI and fee (see permit) to **Maryland Department of the Environment, P.O. Box 2057, Baltimore, MD 21203-2057** and provide the SWPPP in one of the allowed formats (Part II.A.3.b of the permit). You must ensure that the form is completely filled out and payment is enclosed, and the SWPPP follows all permit requirements and is successfully provided to the Department. Your permit application will be handled as efficiently as possible. However, if you fail to provide us with the information we request, we will be unable to process your registration for the permit.



April 2016

Rockville Quarry 2nd Q 2016

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

PERMITTEE NAME/ADDRESS
NAME Bardon Inc.
ADDRESS 6501 Golden Triangle Drive, Suite 400
Greenbelt, MD 20770

FACILITY Rockville Qry & Rdy Mix Concrete Fac.
LOCATION 13900 Piney Meetinghouse Rd
Rockville, MD 20850

DISCHARGE MONITORING REPORT (DMR)
MDG491365
PERMIT NUMBER

DISCHARGE NUMBER
001

RECEIVED
F - FINAL
APR 13 2017

Environmental Protection
10MM1365

MONITORING PERIOD

FROM	2016-04-01	TO	2016-07-30
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NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	(3 Card Only) (46-53)		Quantity or (54-61)	Loading (38-45)	(4 Card Only) (46-53)		Concentration (54-61)	Unit (62-63)	NO. EX (64-65)	Frequency of analysis (66-68)	Sample Type (69-70)	
		Average	Maximum			Average	Maximum						
Temperature 00011 1 0 0	SAMPLE MEASUREMENT PERMIT REQUIREMENT ****								15 °F	0	1/30	i-s	
pH 00400 1 0 0	SAMPLE MEASUREMENT PERMIT REQUIREMENT NA				7.20	7.20	7.20	90	12 SU	0	1/30	GR	
pH difference	SAMPLE MEASUREMENT PERMIT REQUIREMENT NA				6.0	8.5	NA	NA	12 SU	NA	1/30	GR	
Total Suspended Solids 00530 1 0 0 DRY	SAMPLE MEASUREMENT PERMIT REQUIREMENT NA				0.0	0	0	0	19 MG/L	0	1/30	GR	
Oil & Grease No. 1 00556 1 0 0 (Pb) (Rm)	SAMPLE MEASUREMENT PERMIT REQUIREMENT NA				1.0	1.0	30	60	19 MG/L	NA	1/30	GR	
Temperature Difference 03772 1 0 0	SAMPLE MEASUREMENT PERMIT REQUIREMENT NA				NA	NA	15.0	15.0	15 MG/L	NA	1/30	GR	
Flow 50050 1 0 0	SAMPLE MEASUREMENT PERMIT REQUIREMENT NA				0	0	0	0	15 MG/L	NA	1/30	GR	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Joseph Wasat VP/Em													
TYPED OR PRINTED COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)													
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT												AREA CODE NUMBER 982-1400	YEAR MO DAY 2016-07-27

May 2016

PERMITTEE NAME/ADDRESS

NAME Barton Inc.
ADDRESS 6501 Golden Triangle Drive, Suite 400
Greenbelt, MD 20770

FACILITY Rockville QTY & Rdy Mix Concrete Fac.
LOCATION 13900 Piney Meetinghouse Rd
Rockville, MD 20850

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MDG491365
PERMIT NUMBER

001
DISCHARGE NUMBER

MONITORING PERIOD

FROM	2016-05-01	TO	2016-05-31
YY/MM/DD		YY/MM/DD	

(SUBR 03)
F - FINAL
EFFLUENT
*** NO DISCHARGE ☐ 10MM1365

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	(3 Card Only) (46-53)		Quantity or (54-61)	Loading (62-69)	(4 Card Only) (38-45)		Quality or (46-53)		Concentration (54-61)	Unit (62-69)	NO. EX (62-69)	Frequency of analysis (64-69)	Sample Type (69-70)
		Average	Maximum			Minimum	Average	Maximum						
Temperature 00011 1 0 0		****	****	***							15 °F	0	1/30	i-s
pH 00400 1 0 0					7.0	7.0	7.0	7.0	8.5		12 SU	0	1/30	GR
pH difference					N/A	N/A	N/A	N/A	N/A		12 SU	N/A	1/30	GR
Total Suspended Solids 00530 1 0 0 DRY					0.0	4.4	4.4	0	60		19 MG/L	0	1/30	GR
Oil & Grease No form 00556 1 0 0									15.0		19 MG/L	N/A	1/30	GR
Temperature Difference 03772 1 0 0					N/A			*****	*****		15 °F	N/A	1/30	i-s
Flow 50050 1 0 0				7 GPD	17,606,000	17,606,000	0	*****	*****		0	0	1/30	MS
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Joseph M. M. V. P. C. M.														
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT														
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)													TELEPHONE 301 982-1400	DATE 2016-07-27

June 2016

PERMITTEE NAME/ADDRESS

NAME Bardon Inc.

ADDRESS 6501 Golden Triangle Drive, Suite 400

LOCATION 13900 Piney Meetinghouse Rd

Rockville, MD 20850

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MDG491365

PERMIT NUMBER

(SUBR 03)
F - FINAL

EPA FORM 3320-1 (REV. 9-88) Previous editions may be used.

EFFLUENT
*** NO DISCHARGE

10MM1365

10MM1365

DISCHARGE NUMBER

DISCHARGE NUMBER

MONITORING PERIOD

MONITORING PERIOD

FROM	TO
2016-06-01	2016-06-30

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	Quantity or		Unit	Quality or		Unit	NO. EX	Frequency of analysis (54-68)	Sample Type (69-70)
		Average (46-53)	Maximum (54-61)		Average (46-53)	Maximum (54-61)				
Temperature	PERMIT REQUIREMENT	****	****	***					1/30	i-s
00011 1 0 0										
PH	PERMIT REQUIREMENT				6.7	6.7	6.7		1/30	gr
00400 1 0 0					6.0		8.5		1/30	GR
PH difference	PERMIT REQUIREMENT				0.0		0		1/30	GR
Total Suspended Solids	PERMIT REQUIREMENT				6.5	6.5	6.5		1/30	gr
00530 1 0 0 DRY					30	60	60		1/30	GR
Oil & Grease (not for oil)	PERMIT REQUIREMENT						15.0		1/30	GR
00556 1 0 0										
Temperature Difference	PERMIT REQUIREMENT				NA	NA	NA		1/30	NA
03772 1 0 0					0	*****	*****		1/30	i-s
Flow	PERMIT REQUIREMENT			7 gpd					1/30	ms
50050 1 0 0		8,947,000	8,947,000						1/30	MS
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		<p>JOSEPH M. WATKINS VP/GM</p> <p>SIGNATURE OF PRINCIPAL EXECUTIVE</p>								
TYPED OR PRINTED		OFFICER OR AUTHORIZED AGENT								
COMMENT AND EXPLANATION OF ANY VIOLATIONS		<p>(Reference all attachments here)</p> <p>(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED)</p>								
AREA CODE NUMBER		<p>301 982-1400</p> <p>2016-07-27</p>								

July 2016

PERMITTEE NAME/ADDRESS

NAME Bardon Inc.

ADDRESS 6501 Golden Triangle Drive, Suite 400

Greenbelt, MD 20770

FACILITY Rockville Qry & Rdy Mix Concrete Fac.

LOCATION 13900 Piney Meetinghouse Rd

Rockville, MD 20850

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MDG491365

PERMIT NUMBER

001

DISCHARGE NUMBER

MONITORING PERIOD

YY/MM/DD

FROM 2016/07/01 TO 2016/07/31

(SUBR 03)

F - FINAL

EFFLUENT

*** NO DISCHARGE

10MM1365

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	(3 Card Only) (46-53)		Loading (54-61)	Unit	(4 Card Only) (38-45)		Quality or (46-53)		Concentration (54-61)		Unit	NO. EX (62-63)	Frequency of analysis (64-69)	Sample Type (69-70)
		Average	Maximum			Minimum	Average	Maximum							
Temperature															
00011 1 0 0		****	****	***								15 °F		1/30	i-s
pH												12 pH		1/30	i-s
00400 1 0 0						7.0	7.0	7.0	7.0	82.6		54 SU		1/30	GR
pH difference						6.0				8.5		12 SU		1/30	GR
Total Suspended Solids						0.0				0		19 mg/L		1/30	GR
00530 1 0 0 DRY										1.4		19 mg/L		1/30	GR
Oil & Grease (As Form Oil) (Use 1/4 inch bleb size for 30)										30		19 mg/L		1/30	GR
00556 1 0 0										15.0		15 mg/L		1/30	GR
Temperature Difference												15 °F		1/30	i-s
03772 1 0 0										0		15 °F		1/30	i-s
Flow												15 cfs		1/30	ms
50050 1 0 0												15 cfs		1/30	ms
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER															
Jorge Vasquez VP/Gen Mgr															
TYPED OR PRINTED Name Div.															
SIGNATURE OF PRINCIPAL EXECUTIVE															
OFFICER OR AUTHORIZED AGENT															
TELEPHONE 301 982-1400															
DATE 2016.10.27															
AREA CODE NUMBER YEAR MO DAY															

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

August 2016

PERMITTEE NAME/ADDRESS
Bardon Inc.

NAME
ADDRESS 6501 Golden Triangle Drive, Suite 400

Greenbelt, MD 20770

FACILITY Rockville Qry & Rdy Mix Concrete Fac.
LOCATION 13900 Piney Meetinghouse Rd

Rockville, MD 20850

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MDG491365

PERMIT NUMBER

001

DISCHARGE NUMBER

MONITORING PERIOD

FROM 2016/08/01 TO 2016/08/31

FORM APPROVED
ONE NO 204C-004
APPROVAL EXPIRES 12-31-24
(SUBR 03)
F - FINAL
EFFLUENT
*** NO DISCHARGE ☐ 10MM1365

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	(3 Card Only) (46-53)		Loading Unit	(4 Card Only) (38-45)		Quality or (46-53)		Concentration (54-61)		Unit	NO. EX (62-63)	Frequency of analysis (64-66)	Sample Type (69-70)
		Average	Maximum		Minimum	Average	Maximum							
Temperature														
00011 1 0 0		****	****	***							15 °F		1/30	1-S
pH											12 SU		1/30	GR
00400 1 0 0											12 SU		1/30	GR
pH difference											12 SU		1/30	GR
Total Suspended Solids											19 mg/L		1/30	GR
00530 1 0 0 DRY											19 mg/L		1/30	GR
Oil & Grease No Form Oil Used in Recycle Prod.											19 mg/L		1/30	GR
00556 1 0 0											15 mg/L		1/30	GR
Temperature Difference											15 °F		1/30	GR
03772 1 0 0											15 °F		1/30	GR
Flow											15 MG/L		1/30	GR
50050 1 0 0											15 MG/L		1/30	GR
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER														
John Pleasant VP/Gen Mng Dir														
TYPED OR PRINTED														
COMMENT AND EXPLANATION OF ANY VIOLATIONS														
(Reference all attachments here)														
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT														
AREA CODE NUMBER														
YEAR MO DAY														

September 2016

PERMITTEE NAME/ADDRESS
NAME Bardon Inc.
ADDRESS 6501 Golden Triangle Drive, Suite 400
Greenbelt, MD 20770
FACILITY Rockville Qry & Rdy Mix Concrete Fac.
LOCATION 13900 Piney Meetinghouse Rd
Rockville MD 20850

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
MDG491365
PERMIT NUMBER
001
DISCHARGE NUMBER

MONITORING PERIOD
FROM 2016-09-01 TO 2016-09-30

FORM APPROVED
C/MS No. 2016-0014
APPROVAL EXPIRES 10-31-19
(SUBR 03)
F - FINAL
EFFLUENT
*** NO DISCHARGE ☐ 10MM1365

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	Quantity or Loading (46-53)		Quality or Concentration (46-53)		Unit	NO. EX (62-63)	Frequency of analysis (64-68)	Sample Type (69-70)
		Average	Maximum	Average	Maximum				
Temperature									
00011 1 0 0		****	****			15		1/30	i-s
pH						90		1/30	i-s
00400 1 0 0				6.7	6.7	12		1/30	GR
pH difference				6.0	8.5	12		1/30	GR
Total Suspended Solids				N/A	N/A	12		N/A	N/A
00530 1 0 0 DRY				0.0	0	19		1/30	GR
Oil & Grease No Form Oil						19		1/30	GR
00556 1 0 0						19		1/30	GR
Temperature Difference						15.0		1/30	GR
03772 1 0 0				N/A	N/A	15		1/30	N/A
Flow				0	*****	15		1/30	i-s
50050 1 0 0						15		1/30	MS
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER									
Joe M. Mast									
Typed or Printed									
Typed or Printed									
COMMENT AND EXPLANATION OF ANY VIOLATIONS									
(Reference all attachments here)									
(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)									
EPA FORM 3320-1 (REV. 9-88) Previous editions may be used.									
PAGE 1 OF 1									

October 2016

DMR Copy of Record

Permit # MDC481365
Major No

Permittee: BARDON, INC. (dba AGGREGATE INDUSTRIES)
6401 GOLDEN TRIANGLE DRIVE, SUITE 400
GREENBELT, MD 20850

Facility: ROCKVILLE QUARRY & READY MIX CONCRETE
13900 PINEY MEETINGHOUSE ROAD
MONTGOMERY COUNTY
ROCKVILLE, MD 20850

Permitted Feature: 001
External Outfall

Discharge: 001-A
10-MIN-1365

Record Dates & Status: Monitoring Period: From 10/8/15 to 10/31/16
Considerations for Form Completion: If, during the monitoring period, pH difference is not required to be reported because samples meet limits, report value as N/A in space allocated for value.

DMR Due Date: 01/28/17

Status: NEDMR Validated

Principal Executive Officer: First Name: Slave
Last Name: Ward
No Data Indicator (N/DI):

Title: Vice President, General Manager

Telephone: 301-982-1400

Form NCOT: Monitoring Station Param NCOT

000001 pH EC - Effluent Conc. 0

Sample 1
Quantity or Loading
Value 1 6.7
Unit: mg/L

Frequency of Analysis: 0100 - Monthly
Sample Type: GR - GRAB

000002 SODIUM CHLORIDE EC - Effluent Conc. 0

Sample 2
Quantity or Loading
Value 1 720000
Unit: mg/L

Frequency of Analysis: 0100 - Monthly
Sample Type: GR - GRAB

000003 SODIUM CHLORIDE EC - Effluent Conc. 0

Sample 3
Quantity or Loading
Value 1 720000
Unit: mg/L

Frequency of Analysis: 0100 - Monthly
Sample Type: GR - GRAB

000004 SODIUM CHLORIDE EC - Effluent Conc. 0

Sample 4
Quantity or Loading
Value 1 720000
Unit: mg/L

Frequency of Analysis: 0100 - Monthly
Sample Type: GR - GRAB

Submission Note: If a parameter row does not contain any values for the Sample not Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Attachments: No attachments
Report Last Saved By: BARDON, INC. (dba AGGREGATE INDUSTRIES)
User: sharon.hogan@aggregates-us.com
Name: Sharon Hogan
E-Mail: sharon.hogan@aggregates-us.com

Date/Time: 2017-01-26 13:26 (Time Zone: -05:00)

December 2016

DMR Copy of Record

Permit #:

MOD41355

Permittee Address:

BANDON, INC. (dba AGGREGATE INDUSTRIES)
6401 GOLDEN TRIANGLE DRIVE, SUITE 400
GREENBELT, MD 20850

Facility Location:

ROCKVILLE QUARRY & READY MIX CONCRETE
13900 PINEY MEETINGHOUSE ROAD
MONTGOMERY COUNTY
ROCKVILLE, MD 20850

Permitted Feature:

001
External Outfall

Discharge:

001-A
10-MM-1385

Status:

NEEDMVR Validated

Report Dates & Status

From 12/31/16 to 12/31/16

DMR Due Date:

01/28/17

Telephone:

301-982-1400

Considerations for Form Completion
If, during the monitoring period, pH difference is not required to be reported because samples meet limits, report value as N/A in space allocated for value.

Principal Executive Officer

Vice President, General Manager

First Name:

Steve

Title:

Vice President, General Manager

Telephone:

301-982-1400

Last Name:

Ward

Title:

Vice President, General Manager

Telephone:

301-982-1400

No Data Indicator (NOD)

Form NOD:

Title:

Vice President, General Manager

Telephone:

301-982-1400

Frequency of Analysis

Sample Type

Parameter Name

Monitoring Location

Station

Parameter NOD

Quantity or Concentration

Quantity or Concentration

Units

Ex

Frequency of Analysis

Sample Type

Parameter Name

Monitoring Location

Station

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Frequency of Analysis

Sample Type

Parameter Name

Monitoring Location

Station

Parameter NOD

Quantity or Concentration

Quantity or Concentration

Units

Mar 2017

DMR Copy of Record

Permit # MDC491365
Major: No

Permitted Feature: 001
External Outfall

Report Dates & Status: From 03/01/17 to 03/31/17

Monitoring Period: From 03/01/17 to 03/31/17
Considerations for Farm Completion: If, during the monitoring period, pH difference is not required to be reported because samples meet limits, report value as N/A in space allocated for value.

Principal Executive Officer: Stephen Ward

First Name: Stephen
Last Name: Ward

No Data Indicator (NOD):

Farm NOD:

Code: 004001

Parameter Name: EC - Effluent Conductivity

Monitoring Location: 0

Season: 0

Param NOD: 0

Sample Permit Rec. Value NOD: 122000

Sample Permit Rec. Value NOD: 173600

Sample Permit Rec. Value NOD: 07

Sample Permit Rec. Value NOD: 0

Sample Permit Rec. Value NOD: 0

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Sample Permit Rec. Value NOD: 0

Permittee Address: BARDON, INC. (dba AGGREGATE INDUSTRIES)
6401 GOLDEN TRIANGLE DRIVE, SUITE 400
GREENBELT, MD 20850

Discharge: 001-A
10-DA-1365

DMR Due Date: 04/28/17

Title: Vice President General Manager

Telephone: 301-982-1400

Facility: ROCKVILLE QUARRY & READY MIX CONCRETE
13900 PINEY MEETINGHOUSE ROAD
MONTGOMERY COUNTY
ROCKVILLE, MD 20850

Status: NetDMR Validated

NetDMR Validated

Telephone: 301-982-1400

Quality of Concentration: 7.8

Quality of Concentration: 7.8

Quality of Concentration: 7.8

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Quality of Concentration: 7.8

Quality of Concentration: 7.8

Date/Time: 2017-04-28 14:13 (Time Zone: -04:00)

Submission Note: If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analyses, and Sample Type.

Edit Check Errors

No errors

Comments

Attachments

Report Last Saved By

User: Sharon Hogan

Name: Sharon Hogan

E-Mail: sharon.hogan@aggrgate-us.com

April 2017

DMR Copy of Record

Permit #: MD0491365
Major: No
Permittee: BARDON, INC. (dba AGGREGATE INDUSTRIES)
6401 GOLDEN TRIANGLE DRIVE, SUITE 400
GREENBELT, MD 20850

Permitted Feature: 001
External Outfall
Discharge: 001-A
10-MM-1365

Monitoring Period: From 04/01/17 to 04/30/17
DMR Due Date: 07/28/17

Principal Executive Officer: Stephen
First Name: Stephen
Last Name: Ward
Title: Vice President, General Manager

Form NOD: No Data Indicator (NOD)
Telephone: 301-982-1400

Facility: ROCKVILLE QUARRY & READY MIX CONCRETE
13300 PINEY MEETINGHOUSE ROAD
MONTGOMERY COUNTY
ROCKVILLE, MD 20850

Status: NotDMR Validated

Code	Parameter Name	Monitoring Location	Season	Param. NOD	Qualifier	Value 1	Qualifier	Value 2	Qualifier	Value 3	Qualifier	Units	# of Ex.	Frequency of Analysis	Sample Type
00400 ppi	EG - Effluent Gross	0	-	-	Sample Permit Req Value NOD	172000	Req Mon MD AVG	172000	Req Mon DAILY MK	07 - gals/d	6.9	12 - SU	0	0100 - Monthly	GR - GGRAB
00530 Solids, total suspended	EG - Effluent Gross	0	-	-	Sample Permit Req Value NOD	172000	Req Mon MD AVG	172000	Req Mon DAILY MK	07 - gals/d	6.9	12 - SU	0	0100 - Monthly	GR - GGRAB
50050 pH	EG - Effluent Gross	0	-	-	Sample Permit Req Value NOD	172000	Req Mon MD AVG	172000	Req Mon DAILY MK	07 - gals/d	6.9	12 - SU	0	0100 - Monthly	GR - GGRAB
52140 pH change (range)	EG - Effluent Gross	0	-	-	Sample Permit Req Value NOD	172000	Req Mon MD AVG	172000	Req Mon DAILY MK	07 - gals/d	6.9	12 - SU	0	0100 - Monthly	GR - GGRAB

Submission Note
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type
Edit Check Errors
No errors.
Comments

Attachments
Report Last Saved By
BARDON, INC. (dba AGGREGATE INDUSTRIES)
User: sharon.hogan@aggreate-us.com
Name: Sharon Hogan
E-Mail: sharon.hogan@aggreate-us.com

Date/Time: 2017-07-27 09:55 (Time Zone: -04:00)

May 2017

DMR Copy of Record

Permit

Permit #:

MDG491365

Major:

No

Permittee Feature:

001
External Outfall

Report Dates & Status

Monitoring Period: From 05/01/17 to 05/01/17

Considerations for Form Completion

If, during the monitoring period, pH difference is not required to be reported because samples meet limits, report value as N/A in space allocated for value

Principal Executive Officer

First Name:

Stephen

Last Name:

Ward

No Data Indicator (NODI)

Form NODI:

Title:

Vice President, General Manager

Telephone:

301-982-1400

Permittee Address:

BARDON, INC. (dba AGGREGATE INDUSTRIES)
8401 GOLDEN TRIANGLE DRIVE, SUITE 400
GREENBELT, MD 20850

Facility Location:

ROCKVILLE QUARRY & READY MIX CONCRETE
13800 PINEY MEETINGHOUSE ROAD
MONTGOMERY COUNTY
ROCKVILLE, MD 20850

Discharge:

001-A
10-MMA-1365

DMR Due Date:

07/28/17

Status:

Not DMR Validated

Code Parameter Monitoring Location Station # Parameter NODI

004001

EC - Effluent Gross: 0

Sample Permit Req. Value NODI

Quantity or Loading

Qualifier Value 1

Qualifier Value 2

Units

Qualifier

Value 1

Value 2

Value 3

Units

Frequency of Analysis

Sample Type

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

00530 Sample, 100% Submerged

EC - Effluent Gross: 0

Sample Permit Req. Value NODI

Quantity or Loading

Qualifier Value 1

Qualifier Value 2

Units

Qualifier

Value 1

Value 2

Value 3

Units

Frequency of Analysis

Sample Type

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

50000 Gallon

EC - Effluent Gross: 0

Sample Permit Req. Value NODI

Quantity or Loading

Qualifier Value 1

Qualifier Value 2

Units

Qualifier

Value 1

Value 2

Value 3

Units

Frequency of Analysis

Sample Type

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

82714 (m Change [m])

EC - Effluent Gross: 0

Sample Permit Req. Value NODI

Quantity or Loading

Qualifier Value 1

Qualifier Value 2

Units

Qualifier

Value 1

Value 2

Value 3

Units

Frequency of Analysis

Sample Type

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

01/20 - Monthly

CR - CRAB

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type

Edit Check Errors

No errors

Comments

Attachments

No attachments

Report Last Saved By

BARDON, INC. (dba AGGREGATE INDUSTRIES)

User

sharon.hogan@aggregate-us.com

Name

Sharon Hogan

E-Mail

sharon.hogan@aggregate-us.com

DateTime

2017-07-27 17:37 (Time Zone -04:00)

Rockville Q 2017 end Q

Permit	
Permit #:	MDG491365
Major:	No
Permitted Feature:	001 External Outfall
Report Dates & Status	
Monitoring Period:	From 06/01/17 to 06/30/17
Considerations for Form Completion	

Permittee: BAROD, INC. (dba AGGREGATE INDUSTRIES)
 Permittee Address: 6401 GOLDEN TRIANGLE DRIVE, SUITE 400
 GREENBELT, MD 20850

Discharge: 001-A
 10-MM-1385

DMR Due Date: 07/28/17

Facility: ROCKVILLE QUARRY & READY MIX CONCRETE
Facility Location: 13900 PINEYMEETINGHOUSE ROAD
MONTGOMERY COUNTY
ROCKVILLE, MD 20850

Status: **NetDmr Validated**

NetDMR Validated

Principal Executive Officer

First Name:	Stephen	Title:	Vice President, General Manager
Last Name:	Ward		

Telephone: 301-962-1400

Form NODI:

[illegible]

Submission Note
If a parameter row does not contain any values for the Sample or Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type

Edit Check Errors

No errors

Comments

Attachments
No Attachments

Report Last Saved By
BARDON, INC. (dba AGGREGATE INDUSTRIES)

User:	sharon.hogan@aggregate-us.com
Name:	Sharon Hogan
E-Mail:	sharon.hogan@aggregate-us.com

Date/Time

2017-07-27 17:38 (Time Zone: -04:00)

July 2017

Rockville Quarry

3rd Q 2017

DMR Copy of Record

Permit #: MDC491365
Major: No
Permittee: BARON, INC. (dba AGGREGATE INDUSTRIES)
Permittee Address: 6401 GOLDEN TRIANGLE DRIVE, SUITE 400
GREENBELT, MD 20850
Facility: ROCKVILLE QUARRY & READY MIX CONCRETE
Facility Location: 13900 PINEY MEETINGHOUSE ROAD
MONTGOMERY COUNTY
ROCKVILLE, MD 20850

Permitted Feature: 001
External Outfall
Discharge: 001-A
10-MM-1365

Report Dates & Status: Monitoring Period: From 07/01/17 to 07/31/17
DMR Due Date: 10/28/17
Status: NoDMR Validated
Considerations for Form Completion: If, during the monitoring period, pH difference is not required to be reported because samples meet limits, report value as N/A in space allocated for value.

Principal Executive Officer: Stephen Ward
First Name: Stephen
Last Name: Ward
Title: Vice President, General Manager
Telephone: 301-982-1400
No Data Indicator (NODI): -

Code	Parameter Name	Monitoring Location	Season	Param MOD	Sample Permit Value MOD	Qualifier 1	Value 1	Quantity or Loading Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
00400 pH	EG - Effluent Gross	0	-	-	Sample Permit Value MOD	1		2			1	6.9	2	30 MO AVG	3	6.9	12 - SU 0	0	07/30 - Monthly	GR - GRAB
00500 Solids, total suspended	EG - Effluent Gross	0	-	-	Sample Permit Value MOD	1		2			1	6.9	2	30 MO AVG	3	6.9	19 - mg/L 10 -	0	07/30 - Monthly	GR - GRAB
50050 Flow, in conduit or thru treatment plant	EG - Effluent Gross	0	-	-	Sample Permit Value MOD	1	720000	2	720000	07 - gald 07 -	1	6.9	2	30 MO AVG	3	6.9	0	0	07/30 - Monthly	GR - GRAB
82214 pH change (range)	EG - Effluent Gross	0	-	-	Sample Permit Value MOD	1		2			1	6.9	2	30 MO AVG	3	6.9	12 - SU 0	0	07/30 - Monthly	GR - GRAB

Submission Note: If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.
Edit Check Errors: No errors.
Comments:

Attachments: No attachments
Report Last Saved By: BARON, INC. (dba AGGREGATE INDUSTRIES)
User: sharon.hogan@aggregate-us.com
Name: Sharon Hogan
E-Mail: sharon.hogan@aggregate-us.com
Date/Time: 2017-10-26 20:43 (Time Zone: -04:00)
Report Last Signed By: rffreedman
Name: Richard Freedman
E-Mail: richard.freedman@aggregate-us.com
Date/Time: 2017-10-27 14:36 (Time Zone: -04:00)

August 2017

DMR Copy of Record

Permit

Permit #: MDC491365
Major: No

Permittee: BARDON, INC. (dba AGGREGATE INDUSTRIES)
Permittee Address: 6401 GOLDEN TRIANGLE DRIVE, SUITE 400
GREENBELT, MD 20850

Facility: ROCKVILLE QUARRY & READY MIX CONCRETE
Facility Location: 13900 PINEY MEETINGHOUSE ROAD
MONTGOMERY COUNTY
ROCKVILLE, MD 20850

Permitted Feature:

001
External Outfall

Discharge:

001-A
10-MW-1365

Report Dates & Status

Monitoring Period: From 08/01/17 to 08/31/17

DMR Due Date:

10/28/17

Status:

NotDMR Validated

Considerations for Form Completion

If, during the monitoring period, pH difference is not required to be reported because samples meet limits, report value as N/A in space allocated for value.

Principal Executive Officer

First Name: Stephen
Last Name: Ward
Title: Vice President, General Manager

Telephone:

301-982-1400

No Data Indicator (NODI)

-

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading				Quality or Concentration				# of Ex.	Frequency of Analysis	Sample Type		
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3		
00400 pH	EG - Effluent Gross	0	-	-	Sample Permit Req. Value NODI	=	6.9	=	6 DAILY MN		=	6.9	=	8.5 DAILY MX		12 - SU 0	GR - GRAB
00530 Solids, total suspended	EG - Effluent Gross	0	-	-	Sample Permit Req. Value NODI	=	13	=	30 MO AVG		=	13	=	60 DAILY MX		19 - mg/L 12 - SU 0	GR - GRAB
50050 Flow in conduit or thru treatment plant	EG - Effluent Gross	0	-	-	Sample Permit Req. Value NODI	=	86400	=	86400	07 - Standard gals/day						0	GR - GRAB
42214 pH change (range)	EG - Effluent Gross	0	-	-	Sample Permit Req. Value NODI	=	0.7	=	0 DAILY MN		=	0.7	=	0 DAILY MX		12 - SU	GR - GRAB

9 - Conditional Monitoring - Not Required This Period

9 - Conditional Monitoring - Not Required This Period

Submission Note
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

BARDON, INC. (dba AGGREGATE INDUSTRIES)

User:

sharon.hogan@aggregate-us.com

Name:

Sharon Hogan

E-Mail:

sharon.hogan@aggregate-us.com

Date/Time:

2017-10-27 14:06 (Time Zone: -04:00)

Report Last Signed By

User:

rfreedman

Name:

Richard Freedman

E-Mail:

richard.freedman@aggregate-us.com

Date/Time:

2017-10-27 14:06 (Time Zone: -04:00)

DMR Copy of Record

DMR Copy of Record

Permit

Permit #: MDG491365

Major

Permitted Feature:

External Outfall

Monitoring Period: From 09/01/17 to 09/30/17

DMR Due Date:

10/28/17

Status:

NeIDMR Validated

Principal Executive Officer

Principal/Executive Officers

First Name:

Last Name:

No Data Indicator (NODI)

Form NODI

Vice President, General Manager

Telephone:

301-982-1400

[illegible]

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type

Edit Check Errors

No errors.

Comments

Attachments

No attachments

Report Last Saved By

BARDON, INC. (dba AGGREGATE INDUSTRIES),

User:

Name: _____

E-Mail:

Date/Time:

Report Last

Use:

E-Mail:

Definition:

sharon.hogan@aggregat-us.com

Sharon Hogar

sharon.hogan@aggregato-us.com

2017-11-07 16:40 (Time Zone: -05:00)

njfreedman

Richard Freedman

richard.freedman@aggregategate-us.com

2017-11-07 16:40 (Time Zone: -05:00)

RECEIVED

DEC 13 2017

Particulate Control Plan – Travilah Quarry

Environmental Protection

December 11, 2017

Aggregate Industries produces high quality construction aggregates for the Washington Metropolitan area. As part of our ongoing commitment to the environment and the neighboring community the Travilah Quarry has instituted a program that uses an Environmental Management System that tracks environmental performance standards. The Environmental Management System assists quarry site management in tracking performance and achieving environmental performance goals. As part of the overall goals for the Travilah Quarry particulate control measures are reviewed periodically and improvements are made to achieve higher standards over time. The following is a listing of the measures utilized at the quarry to address particulate matter suppression.

The main crushing and screening operations are conducted down in the quarry approximately 200 feet below the natural ground level. The crushing and screening operations being conducted below natural grade help to reduce the noise, vibration, and particulate matter from migrating outside of the quarry boundary. The primary crusher is located an additional 25 feet below the quarry process floor area to further mitigate these same environmental concerns. The primary crusher reduces the size of the blasted aggregate material to 5 – 8 inches in size. As the aggregate material flows from the primary crusher through the plant process a wet suppression system is employed to minimize particulate emissions at the transfer points and processing locations. Wet suppression is a system that applies a controlled water spray that adheres to the crushed aggregate materials to reduce particulate emissions during the material transfer and crushing process.

The processing plant utilizes a secondary and tertiary crushing circuit that further reduces the size of the processed materials to the specification or required sizes for the production of the aggregates. Both of these crushing circuits employ pneumatic dust collection systems to control particulate matter from the impact of the crushing. The screening facility is a fully enclosed building that also utilizes a pneumatic dust collection system for particulate matter control. The aggregate material is then conveyed to the finishing plant which rinses the material prior to being conveyed to the stockpile areas located on the upper rim of the quarry. Finished material stockpiles are watered as required to minimize fugitive dust emissions. As described above each step of the process flow throughout the plant has a particulate control measure to minimize particulate matter emissions.

The internal haul roads of the quarry are watered during operating hours to minimize fugitive emissions from the vehicles traveling within the quarry boundaries. In addition, to further enhance the cleanliness of the roadways outside of the quarry boundaries each vehicle prior to exiting the quarry must drive through the truck wash facility.

The truck wash facility is a high pressure wash system that removes debris from the wheels, truck cab, dump body, and the undercarriage of each vehicle prior to approaching the scalehouse facility and exiting the site.

The above control measures are used internal to the quarry operations. Outside of the gates of the quarry a commercial sweeping company regularly maintains the cleanliness of Piney Meetinghouse Road and Shady Grove Road. The sweeping of the public roads on a weekly basis helps maintain a clean and safe environment for all of the neighboring communities surrounding the quarry operation.

RECEIVED

DEC 13 2017

Environmental Protection

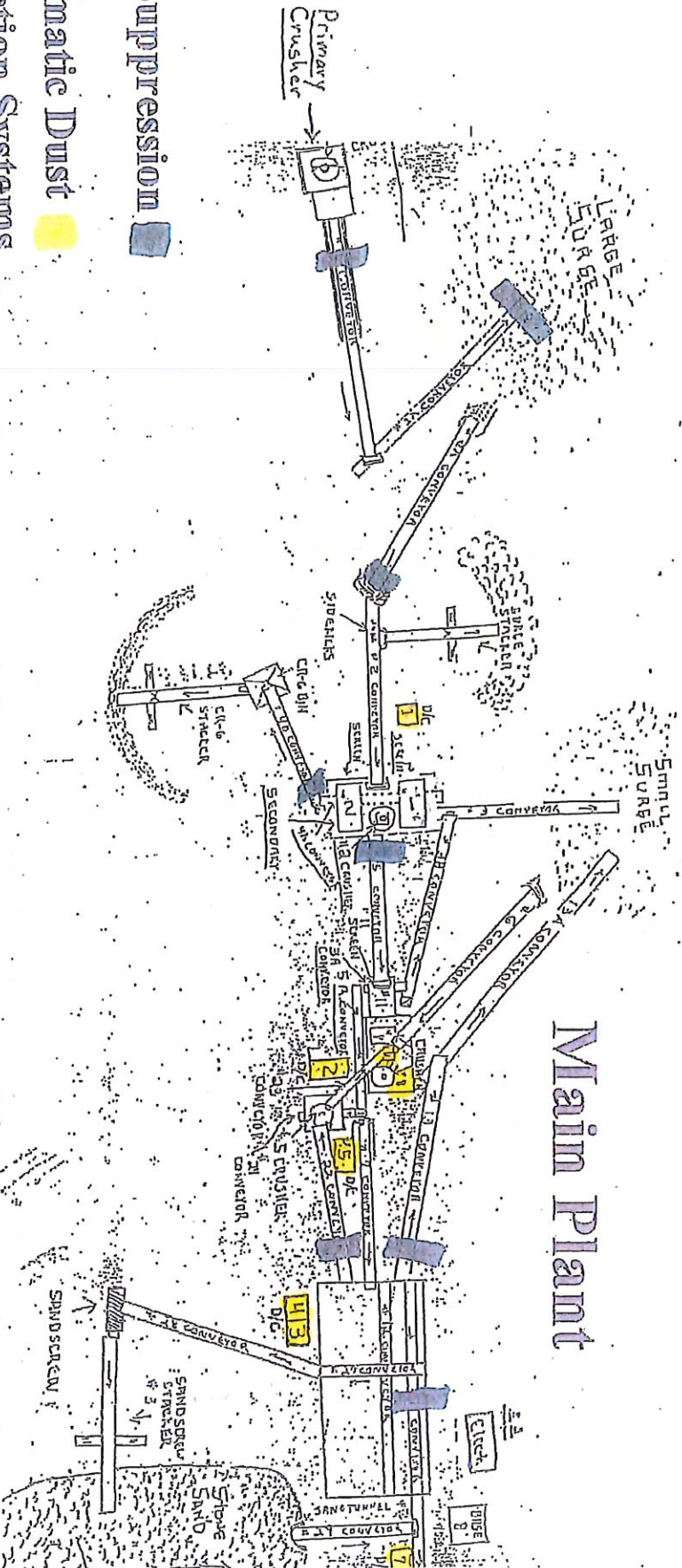
Travilah Quarry

Particulate Control Plan

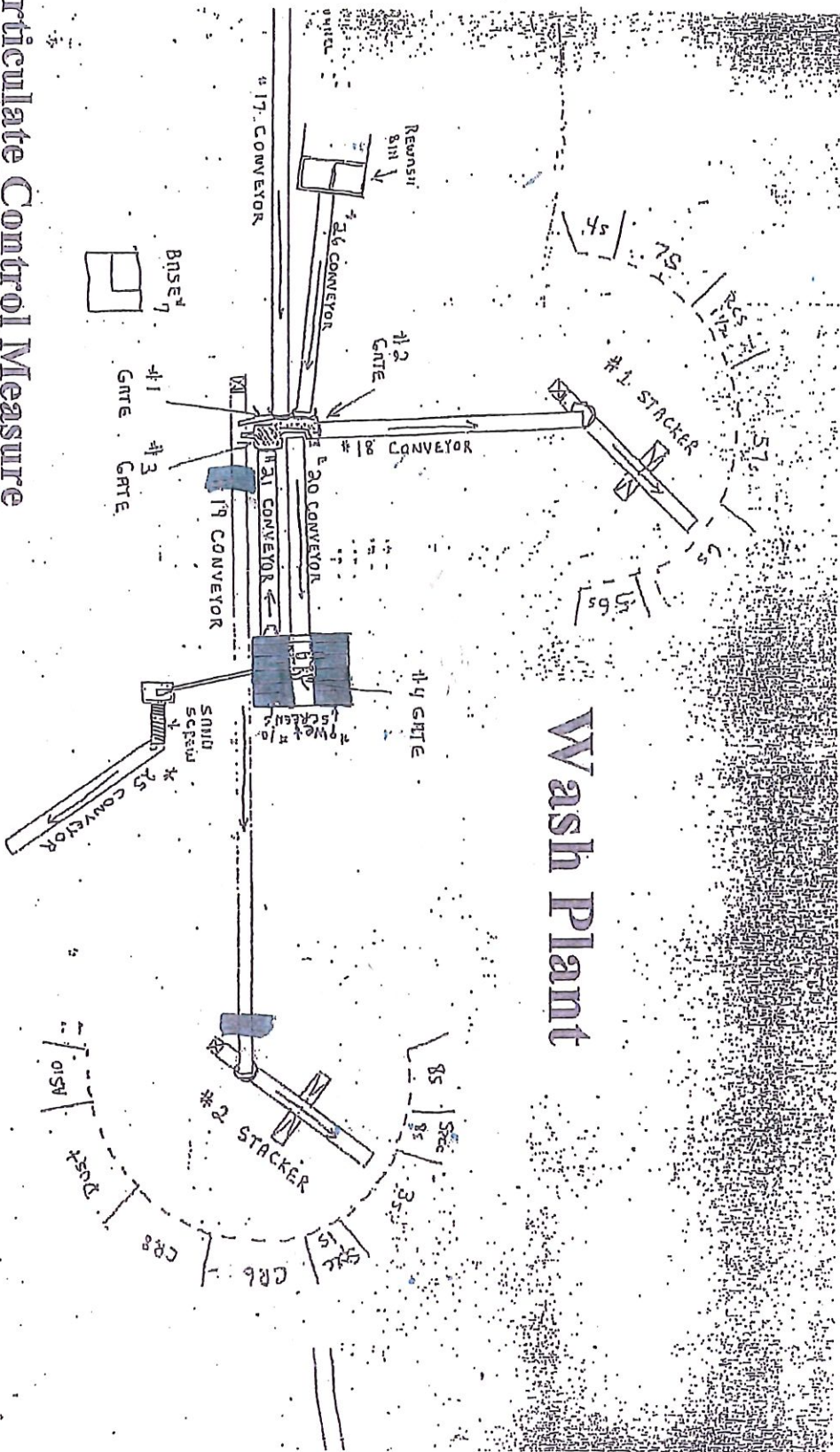
Wet Suppression 

Pneumatic Dust 

Collection Systems 



Wash Plant



Additional Particulate Control Measure

Wetting of internal haul road system and stockpile areas by water truck to reduce fugitive dust



CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY)
12/27/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Aon Risk Services Southwest, Inc. Houston TX Office 5555 San Felipe Suite 1500 Houston TX 77056 USA		CONTACT NAME: PHONE (A/C. No. Ext): (866) 283-7122 FAX (A/C. No.): (800) 363-0105 E-MAIL ADDRESS:		
INSURED Aqregate Industries Management, Inc. 6211 Ann Arbor Road Dundee MI 48131 USA		INSURER(S) AFFORDING COVERAGE		NAIC #
		INSURER A: ACE American Insurance Company		22667
		INSURER B: American Guarantee & Liability Ins Co		26247
		INSURER C:		
		INSURER D:		
		INSURER E:		
INSURER F:				

COVERAGES

CERTIFICATE NUMBER: 570069683355

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. Limits shown are as requested

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:			HDOG46769545	12/31/2017	10/01/2018	EACH OCCURRENCE \$2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$2,000,000 MED EXP (Any one person) \$50,000 PERSONAL & ADV INJURY \$2,000,000 GENERAL AGGREGATE \$4,000,000 PRODUCTS - COMP/OP AGG \$4,000,000
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY			ISA-H25155658	12/31/2017	10/01/2018	COMBINED SINGLE LIMIT (Ea accident) \$5,000,000 BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> DED <input type="checkbox"/> RETENTION			AUC014440101	10/01/2017	10/01/2018	EACH OCCURRENCE \$10,000,000 AGGREGATE \$10,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	WLRC64620289 WC (AOS) SCFC64620277 WC (WI)	10/01/2017 10/01/2017	10/01/2018 10/01/2018	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE-EA EMPLOYEE \$1,000,000 E.L. DISEASE-POLICY LIMIT \$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Insured is self-insured on physical damage for all owned, leased and rented autos. Montgomery County Department of Environmental Protection is included as Additional Insured as required by written contract, but limited to the operations of the Insured under said contract, per the applicable endorsement with respect to the General Liability policy.

CERTIFICATE HOLDER**CANCELLATION**

Montgomery County Department of Environmental Protection Attn: Steve Martin 255 Rockville Pike, Suite 120 Rockville MD 20850 USA	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE <i>Aon Risk Services Southwest, Inc.</i>
---	---

Holder Identifier :

Certificate No : 570069683355

**ADDITIONAL REMARKS SCHEDULE**

Page _ of _

AGENCY Aon Risk Services Southwest, Inc.		NAMED INSURED Aggregate Industries Management, Inc.	
POLICY NUMBER See Certificate Number: 570069683355			
CARRIER See Certificate Number: 570069683355	NAIC CODE	EFFECTIVE DATE:	

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
FORM NUMBER: ACORD 25 FORM TITLE: Certificate of Liability Insurance

Additional Named Insureds

Aggregate Industries - Northeast Region, Inc.
Tiger Minimix, Inc.
Aggregate Industries - MWR, Inc.
Kost, Inc.
Super Concrete Corporation
Bardon, Inc. D/B/A Aggregate Industries - Mar
Aggregate Industries Land Company, Inc.
Aggregate Industries - WCR, Inc.
Aggregate Industries Management, Inc.
Aggregate Industries - SWR, Inc. (D/B/A Frehner Construction Company)
Meyer Material Company, LLC
Lattimore Materials Corp.



CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY)
12/27/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Aon Risk Services Southwest, Inc. Houston TX office 5555 San Felipe Suite 1500 Houston TX 77056 USA		CONTACT NAME: PHONE (A/C No. Ext): (866) 283-7122 FAX (A/C No.): (800) 363-0105 E-MAIL: ADDRESS:	
INSURED Aggregate Industries Management, Inc. 6211 Ann Arbor Road Dundee MI 48131 USA		INSURER(S) AFFORDING COVERAGE INSURER A: ACE American Insurance Company INSURER B: American Guarantee & Liability Ins Co INSURER C: INSURER D: INSURER E: INSURER F:	
		NAIC # 22667 26247 	

COVERAGES

CERTIFICATE NUMBER: 570069683355

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

Limits shown are as requested

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			HDOG46769545	12/31/2017	10/01/2018	EACH OCCURRENCE \$2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$2,000,000 MED EXP (Any one person) \$50,000 PERSONAL & ADV INJURY \$2,000,000 GENERAL AGGREGATE \$4,000,000 PRODUCTS - COMP/OP AGG \$4,000,000
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY			ISA-H25155658	12/31/2017	10/01/2018	COMBINED SINGLE LIMIT (Ea accident) \$5,000,000 BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> DED <input type="checkbox"/> RETENTION <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE			AUC014440101	10/01/2017	10/01/2018	EACH OCCURRENCE \$10,000,000 AGGREGATE \$10,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	WLC64620289 WC (AOS) SCFC64620277 WC (WI)	10/01/2017 10/01/2017	10/01/2018 10/01/2018	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE-EA EMPLOYEE \$1,000,000 E.L. DISEASE-POLICY LIMIT \$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Insured is self-insured on physical damage for all owned, leased and rented autos. Montgomery County Department of Environmental Protection is included as Additional Insured as required by written contract, but limited to the operations of the Insured under said contract, per the applicable endorsement with respect to the General Liability policy.

CERTIFICATE HOLDER**CANCELLATION**

Montgomery County Department of Environmental Protection Attn: Steve Martin 255 Rockville Pike, Suite 120 Rockville MD 20850 USA	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE <i>Aon Risk Services Southwest, Inc.</i>
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Holder Identifier :

Certificate No : 570069683355

**ADDITIONAL REMARKS SCHEDULE**

Page _ of _

AGENCY Aon Risk Services Southwest, Inc.		NAMED INSURED Aggregate Industries Management, Inc.	
POLICY NUMBER See Certificate Number: 570069683355			
CARRIER See Certificate Number: 570069683355	NAIC CODE	EFFECTIVE DATE:	

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
FORM NUMBER: ACORD 25 **FORM TITLE:** Certificate of Liability Insurance

Additional Named Insureds

Aggregate Industries - Northeast Region, Inc.
Tiger Minimix, Inc.
Aggregate Industries - MWR, Inc.
Kost, Inc.
Super Concrete Corporation
Bardon, Inc. D/B/A Aggregate Industries - Mar
Aggregate Industries Land Company, Inc.
Aggregate Industries - WCR, Inc.
Aggregate Industries Management, Inc.
Aggregate Industries - SWR, Inc. (D/B/A Frehner Construction Company)
Meyer Material Company, LLC
Lattimore Materials Corp.

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DEC 13 2017



CERTIFICATE OF LIABILITY INSURANCE

 DATE(MM/DD/YYYY)
12/11/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Aon Risk Services Southwest, Inc. Houston TX Office 5555 San Felipe Suite 1500 Houston TX 77056 USA	CONTACT NAME: PHONE (A/C. No. Ext): (866) 283-7122 FAX (A/C. No.): (800) 363-0105	
	E-MAIL ADDRESS:	
INSURED Aggregate Industries Management, Inc. 6211 Ann Arbor Road Dundee MI 48131 USA	INSURER(S) AFFORDING COVERAGE	
	NAIC #	
	INSURER A: ACE American Insurance Company 22667	
	INSURER B: American Guarantee & Liability Ins Co 26247	
	INSURER C:	
	INSURER D:	
INSURER E:		
INSURER F:		

COVERAGES

CERTIFICATE NUMBER: 570069450270

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

Limits shown are as requested

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:			HDOG27871914	10/01/2017	10/01/2018	EACH OCCURRENCE \$2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$2,000,000 MED EXP (Any one person) \$50,000 PERSONAL & ADV INJURY \$2,000,000 GENERAL AGGREGATE \$4,000,000 PRODUCTS - COMP/OP AGG \$4,000,000
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY			ISA-H09064102 Auto (AOS)	10/01/2017	10/01/2018	COMBINED SINGLE LIMIT (Ea accident) \$5,000,000 BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input type="checkbox"/> RETENTION			AUC014440101	10/01/2017	10/01/2018	EACH OCCURRENCE \$10,000,000 AGGREGATE \$10,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	WLRC64620289 WC (AOS) SCFC64620277 WC (WI)	10/01/2017	10/01/2018	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE-EA EMPLOYEE \$1,000,000 E.L. DISEASE-POLICY LIMIT \$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Insured is self-insured on physical damage for all owned, leased and rented autos. Montgomery County Department of Environmental Protection is included as Additional Insured as required by written contract, but limited to the operations of the Insured under said contract, per the applicable endorsement with respect to the General Liability policy.

CERTIFICATE HOLDER

CANCELLATION

Montgomery County Department of Environmental Protection Attn: Steve Martin 255 Rockville Pike, Suite 120 Rockville MD 20850 USA	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
---	---

Holder Identifier :

Certificate No : 570069450270

**ADDITIONAL REMARKS SCHEDULE**

Page _ of _

AGENCY Aon Risk Services Southwest, Inc.		NAMED INSURED Aggregate Industries Management, Inc.
POLICY NUMBER See Certificate Number: 570069450270		
CARRIER See Certificate Number: 570069450270	NAIC CODE	EFFECTIVE DATE:

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
FORM NUMBER: ACORD 25 **FORM TITLE:** Certificate of Liability Insurance

Additional Named Insureds

Aggregate Industries - Northeast Region, Inc.
Tiger Minimix, Inc.
Aggregate Industries - MWR, Inc.
Kost, Inc.
Super Concrete Corporation
Bardon, Inc. D/B/A Aggregate Industries - Mar
Aggregate Industries Land Company, Inc.
Aggregate Industries - WCR, Inc.
Aggregate Industries Management, Inc.
Aggregate Industries - SWR, Inc. (D/B/A Frehner Construction Company)
Meyer Material Company, LLC
Lattimore Materials Corp.

RECEIVED

DEC 13 2017

Environmental Protection

Bond Number 929517725

**PERFORMANCE BOND FOR
QUARRY LICENSE**

KNOW ALL MEN BY THESE PRESENTS, THAT WE Bardon, Inc. dba
Aggregate Industries hereinafter called Permittee, and
Western Surety Company a corporation incorporated
under the laws of the State of South Dakota and authorized to do
business in the State of Maryland, hereinafter called Surety are held and
firmly bound unto Montgomery County, Maryland, in the full and just sum of
One Hundred Thousand Seven Hundred*** Dollars, lawful money of the United States
of America, to be paid to the said Montgomery County, Maryland, or its assigns,
to which payment well and truly to be made and done, we bind ourselves, our
heirs, executors, administrators and successors, jointly and severally, firmly
by these present.

***thirty Five and no/100 (\$100,735.00)

Sealed with our respective seals and dates this 6th day of January,
2011.


WHEREAS, the above named Permittee has received approval by Montgomery
County, Maryland, bearing date of _____ on his application
No. _____ for a license from Montgomery County for the operation of a quarry
located at: 13900 Piney Meeting House Road, Rockville
within Travilah Quarry Subdivision in Montgomery County,
Maryland, as more fully described in the approved application no. _____

WHEREAS, it is a condition of the issuance of the quarry license by the
Department of Environmental Protection of Montgomery County, Maryland, acting
for and on behalf of Montgomery County, these presents should be executed.

NOW THEREFORE, the condition of this obligation is such that the above named permittee shall in all respects comply with all the applicable terms, conditions, provisions and requirements of Chapter 38, title "QUARRY", Montgomery County Code, 1984, as amended, and the term and conditions upon which the application has been approved, and which terms and conditions will be incorporated in the license when issued, and shall fully meet and faithfully perform his, their or its obligations in the operation of the quarry for which the license is issued, and shall save harmless Montgomery County, Maryland, from any expense incurred through the failure to the Permittee, his agents and employees to operate the quarry as required by the Chapter 38, Montgomery County Code 1984, as amended, growing out of the negligence of the Permittee or his agents, or employees. This obligation shall remain in full Force and affect pursuant to the provision of Chapter 38, Montgomery County Codes, 1984, as amended.

The surety may at any time terminate its liability by giving sixty (60) days written notice to the Obligee, and the Surety shall not be Liable for any default after such sixty day notice period, except for Defaults occurring prior thereto.

ATTEST:


Corp. Sec. or Asst. Sec. (Signature)

Bardon, Inc. dba Aggregate Industries
Signature - Owner/Authorized Agent
(Corporation name, if Applicable)


Corp. Pres. or Vice President. (Signature)

ALAN PAPERNEY
Print Name

Donald P. DeLano, VP-GM
Print Name (Corp. Pres., Vice Pres. or
Owner/Authorized Agent)

Witness

Western Surety Company
Print Name (Bonding Company)

Countersigned by:

No Longer Required


Attorney-in-Fact (Signature)

Stephanie Garahana
Print Name

CCE/PP-1408p

Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

Mark A Latini, Craig B Hurst, Kevin W Andrews, Jeffery G Shields, Wm. Scott Shields, Guyanne L Hansen, Gayle Wood, Donald R Mayer, Stephanie H Garahana, Tracy A Mervin, Individually

of Sandy, UT, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Senior Vice President and its corporate seal to be hereto affixed on this 17th day of February, 2010.



WESTERN SURETY COMPANY

Paul T. Bruflat, Senior Vice President

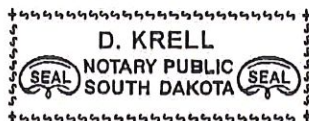
State of South Dakota }
County of Minnehaha }

ss

On this 17th day of February, 2010, before me personally came Paul T. Bruflat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Senior Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires

November 30, 2012



D. Krell, Notary Public

CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 16th day of January, 2011.



WESTERN SURETY COMPANY

L. Nelson, Assistant Secretary

Aggregate Industries

Rockville Quarry

Vibration and Air Overpressure Summary

June 01, 2016 to November 30, 2017

RECEIVED

DEC 13 2017

Environmental Protection



Sauls Seismic, LLC
47 W. Jubal Early Drive, Suite 100
Winchester, Virginia 22602

Phone: 614-771-4855
Fax: 540-535-2206

VIBRATION AND AIR OVERPRESSURE SUMMARY

Seismic research during the past forty years has established criteria which relate the occurrence of structural damage to certain levels of ground motion. Vibration damage criteria are now commonly expressed in terms of particle velocity, the rate of ground movement at a given point produced by ground vibrations as they pass that point.

Federal guidelines suggest limiting blast vibrations with a frequency of 30 hertz or greater to 2.0 inches/second of peak particle velocity. Additionally, air overpressure should be limited to 133 decibels.

Seismograph Results

For the period beginning June 01, 2016, and ending November 30, 2017, the maximum peak particle velocity was **0.62 inches/second with a corresponding frequency of 32.0 Hz**. This event was recorded at the BOSWELL seismograph location. The blast associated with the maximum recorded vibration occurred on March 13, 2017 at 14:14.

The maximum air overpressure, which occurred on September 16, 2016 at 11:29, was **131 dBL**. The event with which this level is associated was recorded at the WEST FENCE – VALLEY OAK CIRCLE seismograph location.

Seismograph Records

A copy of the seismograph records for blast related events has been attached to this summary. You will also find a report consisting of a summary and graphical representation of the vibration results.

Should you have any questions regarding this report or the results herein, please do not hesitate to contact me at my office.

Sincerely,

Sauls Seismic, LLC



Derek Bowen
Regional Manager

**Aggregate Industries
Rockville Quarry
BOSWELL
39.07248, -77.22470**

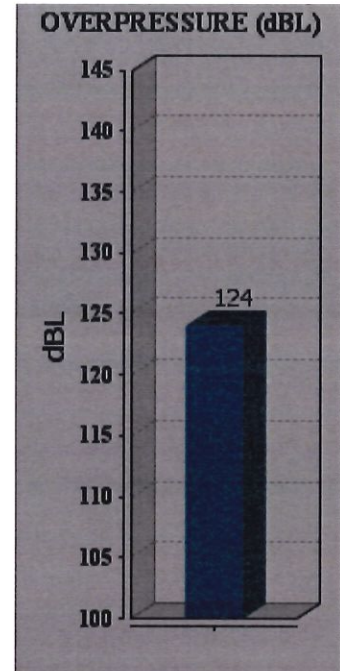
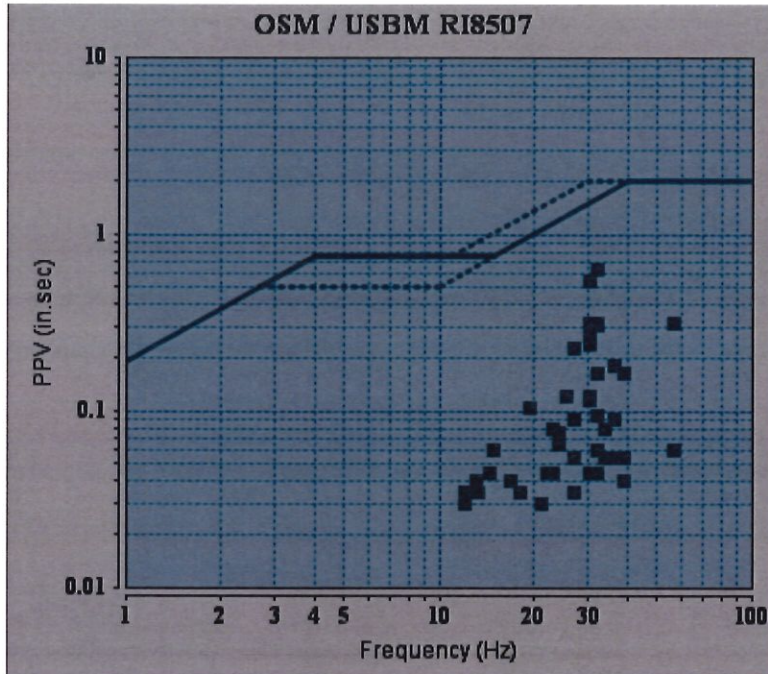
#	Date	Time	Shot Location	Distance	Scaled Distance	Max lbs	PPV (in/s)	Freq (Hz)	Overpressure (dBL)
24	06/01/2016	11:52	Level 5	2401	107.0	504	0.04	17.0	109
25	06/06/2016	11:02	Level 5	2553	99.4	660	0.04	26.9	116
26	06/10/2016	13:00	Level 5	2481	76.2	1062	0.04	13.4	116
27	06/16/2016	10:32	Level 5	2569	78.0	1086	0.02	0.0	119
28	06/22/2016	14:02	Level 5	2587	68.7	1417	0.04	13.1	119
29	06/27/2016	13:02	Level 4	2583	186.0	193	< 0.02	-	< 115
30	07/01/2016	10:35	Level 5	2713	107.8	634	0.03	12.1	120
31	07/11/2016	14:09	Level 5	2465	66.8	1361	0.04	14.6	115
32	07/29/2016	11:45	Level 5	2599	87.3	887	0.08	24.3	115
33	08/09/2016	11:12	Level 9	1999	66.1	916	0.08	23.2	122
34	08/12/2016	11:31	level 5	2567	100.2	656	0.01	0.0	116
35	08/18/2016	11:46	Level 5	2342	90.0	677	0.04	12.1	108
36	08/23/2016	13:07	Level 9	1978	56.7	1219	0.10	19.6	124
37	08/26/2016	14:53	Level 5	2626	83.3	995	0.06	36.5	117
38	08/31/2016	11:43	Level 9	2060	59.0	1220	0.06	15.0	121
39	09/06/2016	10:40	Level 5	2597	96.8	720	0.04	22.2	119
40	09/12/2016	12:56	Level 5	2660	79.5	1119	0.01	0.0	118
41	09/16/2016	11:33	Level 5	2577	87.0	878	0.06	26.9	118
42	09/22/2016	13:58	Level 5	2678	88.0	927	0.03	21.3	116
43	09/30/2016	12:44	Level 5	2754	88.8	963	0.04	23.2	116
44	10/05/2016	11:07	Level 9	2042	95.4	458	0.04	32.0	115
45	10/10/2016	12:20	Level 5	2796	67.9	1696	0.06	39.3	116
47	10/19/2016	11:46	Level 5	2725	64.9	1764	0.06	34.1	115
48	10/20/2016	10:59	Level 9	2006	95.8	439	0.04	39.3	117
49	10/25/2016	12:54	Level 5	2776	66.9	1724	0.06	24.3	117
50	10/31/2016	10:35	Level 5	2295	179.3	164	< 0.02	-	< 115
51	11/10/2016	12:57	Level 9	2062	86.9	564	0.04	18.2	118
52	11/21/2016	10:42	Level 9	891	44.2	407	0.30	32.0	109
53	12/05/2016	14:24	Level 9	981	46.1	453	0.32	56.8	111
54	12/13/2016	11:30	Level 9	1855	83.0	500	0.10	32.0	116
1	01/05/2017	11:25	Level 9	957	41.4	536	0.31	30.1	115
2	02/08/2017	11:26	Level 9	2098	96.6	472	0.04	30.1	117
3	02/16/2017	13:56	Level 9	2125	84.1	638	0.09	36.5	124
4	02/27/2017	13:51	Level 9	2125	62.9	1141	0.09	26.9	115
5	03/07/2017	13:35	Level 9	1968	59.5	1094	0.06	56.8	118
6	03/13/2017	14:14	Level 9	1010	40.3	627	0.62	32.0	113
7	03/20/2017	12:56	Level 9	1524	50.9	898	0.08	34.1	113
8	03/29/2017	15:40	Level 9	969	47.2	422	0.22	26.9	108
9	04/06/2017	13:51	Level 9	1725	54.0	1020	0.12	25.6	112
10	04/13/2017	13:33	Level 9	1601	70.8	511	0.12	30.1	113

#	Date	Time	Shot Location	Distance	Scaled Distance	Max lbs	PPV (in/s)	Freq (Hz)	Overpressure (dBL)
11	04/21/2017	12:58	Level 9	1536	60.8	639	0.16	39.3	113
13	04/27/2017	11:37	Level 9	1479	68.1	472	0.16	32.0	101
12	05/02/2017	11:24	Level 9	1019	36.5	780	0.55	30.1	107
14	05/05/2017	10:35	Level 9	1061	102.2	108	0.12	30.1	102
15	05/11/2017	11:40	Level 9	1366	56.5	584	0.18	36.5	108
16	05/16/2017	11:22	Level 9	1089	39.3	769	0.28	30.1	111
17	05/19/2017	11:48	Level 9	1104	41.4	712	0.32	32.0	109
18	05/24/2017	12:04	Level 9	1113	45.2	608	0.24	30.1	113
19	05/30/2017	11:44	3B	2288	98.2	543	0.06	32.0	102
						MAX	0.62 (in/s)	124 (dBL)	

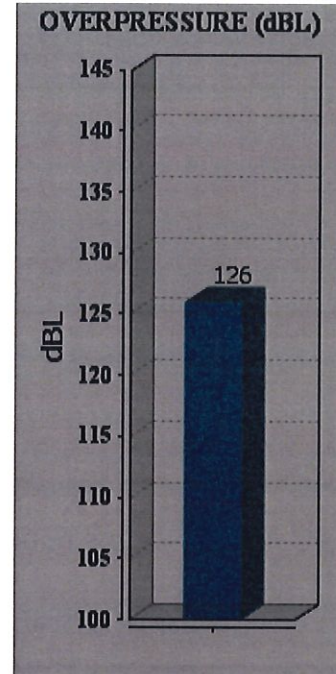
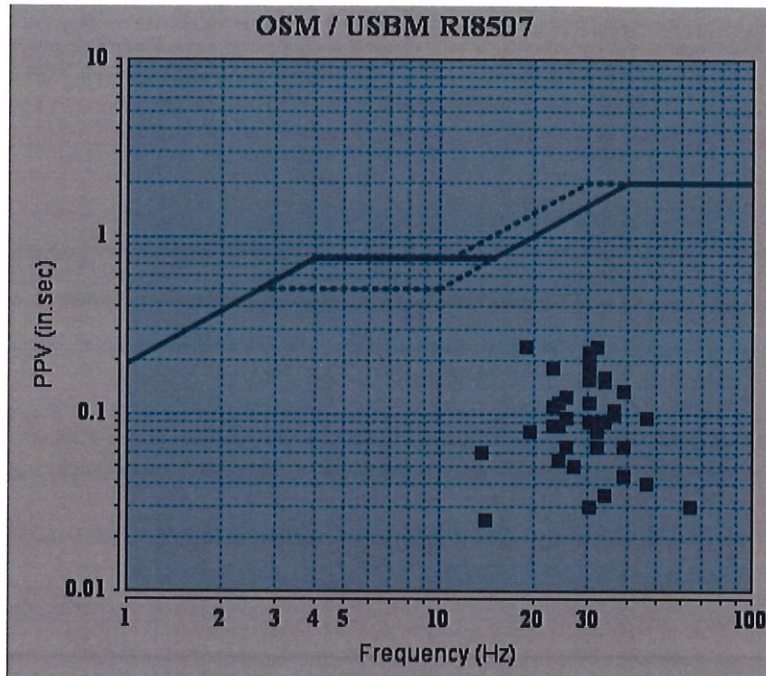
#	Date	Time	Shot Location	Distance	Scaled Distance	Max lbs	PPV (in/s)	Freq (Hz)	Overpressure (dBL)
20	06/02/2017	11:37	Level 9	1157	48.1	580	0.24	32.0	115
21	06/06/2017	13:01	Level 3B	2204	60.5	1327	0.06	24.3	107
22	06/09/2017	11:23	Level 9	1293	53.1	592	0.22	30.1	113
23	06/14/2017	09:28	Level 3B	2123	95.0	500	0.03	64.0	104
24	06/21/2017	12:58	Level 3B	2100	66.4	1000	0.04	39.3	108
25	06/22/2017	11:30	Level 9	1915	94.5	411	0.04	46.5	126
26	06/28/2017	09:43	Level 3B	2088	89.9	540	0.03	30.1	102
28	07/05/2017	11:49	3B	2056	92.8	491	0.02	14.2	104
29	07/11/2017	11:47	3B	2034	90.8	502	< 0.02	-	< 115
30	07/14/2017	14:03	Level 9	1155	44.4	678	0.24	18.9	111
31	07/21/2017	10:37	Level 9	1261	50.3	629	0.10	46.5	114
32	07/28/2017	10:23	Level 9	1367	53.8	645	0.10	36.5	119
34	08/02/2017	11:34	Level 9	1290	56.7	519	0.08	32.0	119
35	08/07/2017	14:27	Level 9	1424	64.8	484	0.08	32.0	116
27	08/09/2017	13:35	Level 9	1970	187.0	111	0.04	46.5	101
33	08/11/2017	13:38	Level 3B	1917	129.0	221	< 0.02	-	< 115
36	08/15/2017	10:47	Level 9	1483	63.4	547	0.08	32.0	117
37	08/17/2017	11:04	Level 3B	1973	77.2	653	0.09	30.1	106
38	08/21/2017	12:55	Level 9	2000	103.3	375	0.08	19.6	108
40	08/25/2017	12:14	Level 3B	1930	84.9	517	0.04	34.1	107
41	08/28/2017	11:42	Level 3B	1948	72.8	716	0.09	32.0	106
42	09/01/2017	11:43	Level 9	1936	99.7	377	0.06	25.6	109
43	09/07/2017	13:04	Level 9	1895	166.3	130	0.05	26.9	100
44	09/11/2017	11:12	Level 10	2015	81.8	607	0.10	25.6	107
45	09/14/2017	10:38	Level 10	1838	75.9	586	0.18	23.2	108
46	09/19/2017	11:23	Level 10	1916	78.4	597	0.12	25.6	110
47	09/25/2017	11:42	Level 10	1885	81.6	534	0.09	34.1	106
48	09/28/2017	14:02	Level 10	1841	77.0	572	0.12	24.3	107
49	10/06/2017	12:04	Level 10	1775	86.1	425	0.11	23.2	101
50	10/11/2017	10:38	Level 10	1885	75.0	632	0.06	13.8	109
51	10/16/2017	11:49	Level 10	1690	72.9	538	0.10	36.5	110
52	10/19/2017	10:36	Level 10	1640	68.7	571	0.08	23.2	113
53	10/24/2017	12:01	Level 10	2021	85.1	564	0.08	24.3	110

#	Date	Time	Shot Location	Distance	Scaled Distance	Max lbs	PPV (in/s)	Freq (Hz)	Overpressure (dBL)
54	10/30/2017	12:27	Level 10	1940	78.8	606	0.06	32.0	116
55	11/03/2017	12:58	Level 10	1734	72.1	579	0.06	39.3	114
56	11/08/2017	12:37	Level 10	1638	71.3	528	0.12	30.1	110
57	11/13/2017	10:35	Level 10	1592	63.3	633	0.16	30.1	112
58	11/16/2017	11:08	Level 10	1569	63.8	605	0.16	34.1	108
59	11/21/2017	10:41	Level 10	1519	64.5	555	0.16	30.1	108
60	11/28/2017	11:40	Level 10	1486	60.8	599	0.15	34.1	108
						MAX	0.24 (in/s)	126 (dBL)	

**Aggregate Industries
Rockville Quarry
June, 2016 – May, 2017
BOSWELL
39.07248, -77.22470**



**Aggregate Industries
Rockville Quarry
June, 2017 – November, 2017
BOSWELL
39.07248, -77.22470**



**Aggregate Industries
Rockville Quarry
PINEY MEETINGHOUSE
39.07572, -77.22272**

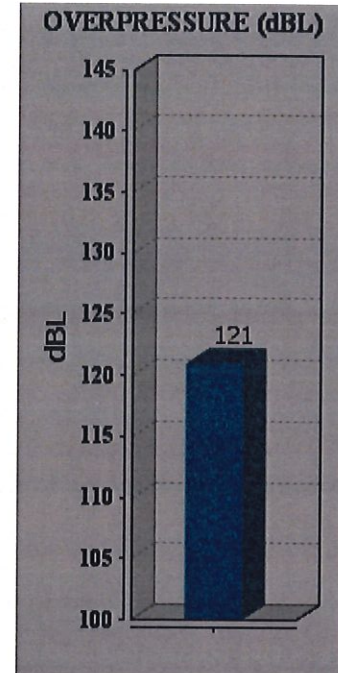
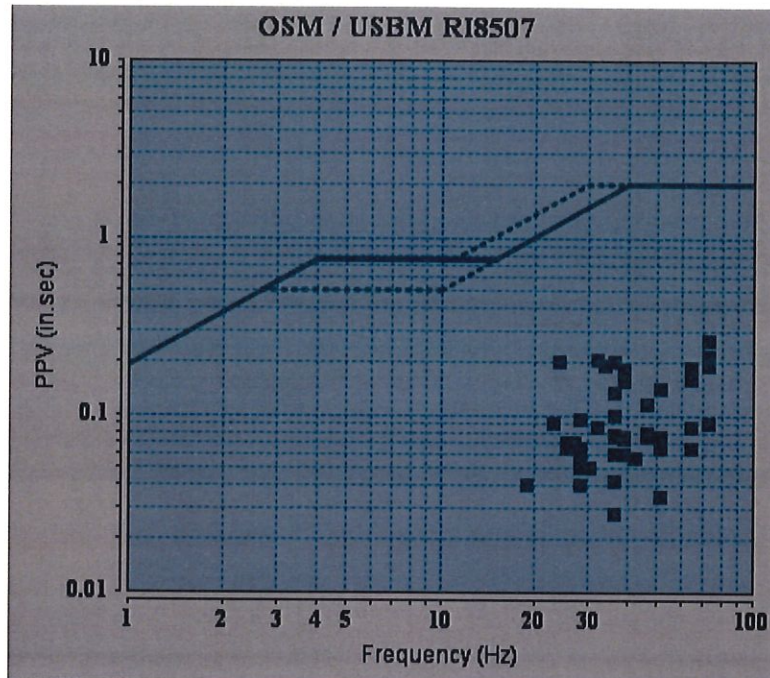
#	Date	Time	Shot Location	Distance	Scaled Distance	Max lbs	PPV (in/s)	Freq (Hz)	Overpressure (dBL)
24	06/01/2016	11:51	Level 5	1634	72.8	504	0.10	28.4	110
25	06/06/2016	11:01	Level 5	1821	70.9	660	0.06	39.3	111
26	06/10/2016	12:59	Level 5	1692	51.9	1062	0.06	64.0	114
27	06/16/2016	10:31	Level 5	1824	55.4	1086	0.08	64.0	115
28	06/22/2016	14:01	Level 5	1779	47.3	1417	0.14	36.5	115
29	06/27/2016	13:02	Level 4	1721	123.9	193	0.04	51.2	105
30	07/01/2016	10:34	Level 5	1882	74.8	634	0.06	28.4	118
31	07/11/2016	14:07	Level 5	1637	44.4	1361	0.20	32.0	112
32	07/29/2016	11:44	Level 5	1712	57.5	887	0.14	51.2	117
33	08/09/2016	11:10	Level 9	2190	72.4	916	0.07	26.9	114
34	08/12/2016	11:30	level 5	1786	69.7	656	0.08	32.0	112
35	08/18/2016	11:45	Level 5	1455	55.9	677	0.06	28.4	106
36	08/23/2016	13:05	Level 9	2194	62.8	1219	0.09	23.2	120
37	08/26/2016	14:51	Level 5	1709	54.2	995	0.19	73.1	115
38	08/31/2016	11:41	Level 9	2221	63.6	1220	0.07	26.9	116
39	09/06/2016	10:39	Level 5	1676	62.5	720	0.22	73.1	114
40	09/12/2016	12:54	Level 5	1751	52.4	1119	0.08	36.5	114
41	09/16/2016	11:31	Level 5	1638	55.3	878	0.20	24.3	115
42	09/22/2016	13:56	Level 5	1726	56.7	927	0.09	73.1	116
43	09/30/2016	12:42	Level 5	1777	57.3	963	0.16	64.0	114
44	10/05/2016	11:05	Level 9	1955	91.4	458	0.05	30.1	112
45	10/10/2016	12:18	Level 5	1809	43.9	1696	0.16	39.3	112
47	10/19/2016	11:46	Level 5	1702	40.5	1764	0.18	64.0	113
48	10/20/2016	10:59	Level 9	2027	96.7	439	0.04	18.9	116
49	10/25/2016	12:54	Level 5	1786	43.0	1724	0.26	73.1	116
50	10/31/2016	10:35	Level 5	1772	138.4	164	< 0.02	-	< 115
51	11/10/2016	12:56	Level 9	2024	85.2	564	0.08	51.2	112
52	11/21/2016	10:42	Level 9	1267	62.8	407	0.12	46.5	108
53	12/05/2016	14:23	Level 9	1385	65.1	453	0.19	34.1	107
54	12/13/2016	11:29	Level 9	2101	94.0	500	0.06	51.2	112
1	01/05/2017	11:24	Level 9	1244	53.8	536	0.16	39.3	113
2	02/08/2017	11:26	Level 9	2197	101.1	472	0.04	28.4	114
3	02/16/2017	13:56	Level 9	2257	89.4	638	0.08	39.3	119
4	02/27/2017	13:52	Level 9	2376	70.3	1141	0.08	46.5	114
5	03/07/2017	13:36	Level 9	2237	67.6	1094	0.08	46.5	113
6	03/13/2017	14:15	Level 9	1445	57.7	627	0.20	36.5	112
7	03/20/2017	12:56	Level 9	1832	61.1	898	0.06	51.2	111
8	03/29/2017	15:41	Level 9	1369	66.7	422	0.05	28.4	108
9	04/06/2017	13:51	Level 9	2071	64.9	1020	0.04	36.5	119
10	04/13/2017	13:33	Level 9	1949	86.3	511	0.06	42.6	114

#	Date	Time	Shot Location	Distance	Scaled Distance	Max lbs	PPV (in/s)	Freq (Hz)	Overpressure (dBL)
11	04/21/2017	12:58	Level 9	1952	77.2	639	0.06	36.5	110
13	04/27/2017	11:37	Level 9	1896	87.3	472	0.07	25.6	101
12	05/02/2017	11:23	Level 9	1444	51.7	780	0.16	39.3	107
14	05/05/2017	10:35	Level 9	1518	146.1	108	0.03	36.5	99
15	05/11/2017	11:40	Level 9	1806	74.7	584	0.08	36.5	121
16	05/16/2017	11:22	Level 9	1554	56.1	769	0.07	39.3	112
17	05/19/2017	11:47	Level 9	1586	59.4	712	0.10	36.5	109
18	05/24/2017	12:04	Level 9	1609	65.3	608	0.06	25.6	98
19	05/30/2017	11:44	3B	1313	56.4	543	0.18	39.3	100
						MAX	0.26 (in/s)	121 (dBL)	

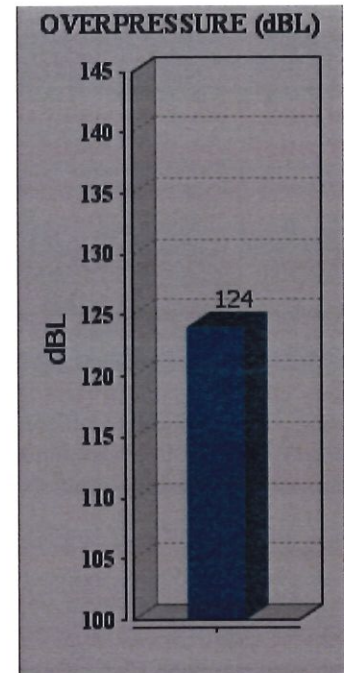
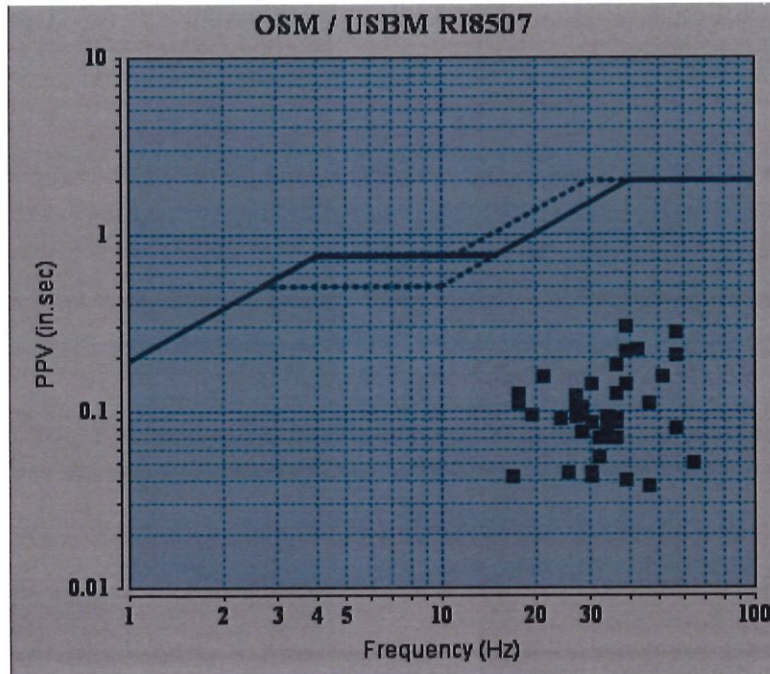
#	Date	Time	Shot Location	Distance	Scaled Distance	Max lbs	PPV (in/s)	Freq (Hz)	Overpressure (dBL)
20	06/02/2017	11:37	Level 9	1661	69.0	580	0.09	36.5	113
21	06/06/2017	13:01	Level 3B	1241	34.1	1327	0.18	36.5	110
22	06/09/2017	11:23	Level 9	1761	72.4	592	0.08	36.5	114
23	06/14/2017	09:27	Level 3B	1196	53.5	500	0.16	51.2	108
24	06/21/2017	12:57	Level 3B	1141	36.1	1000	0.22	42.6	110
25	06/22/2017	11:29	Level 9	1817	89.7	411	0.04	17.0	124
26	06/28/2017	09:43	Level 3B	1116	48.0	540	0.20	56.8	108
28	07/05/2017	11:49	3B	1192	53.8	491	0.22	39.3	99
29	07/11/2017	11:47	3B	1177	52.5	502	0.14	39.3	110
30	07/14/2017	14:03	Level 9	1717	66.0	678	0.09	34.1	112
31	07/21/2017	10:37	Level 9	1844	73.5	629	0.05	64.0	113
32	07/28/2017	10:23	Level 9	1851	72.9	645	0.12	36.5	111
34	08/02/2017	11:34	Level 9	1746	76.7	519	0.04	30.1	114
35	08/07/2017	14:27	Level 9	1779	80.9	484	0.04	46.5	111
27	08/09/2017	13:35	Level 9	1961	186.1	111	0.04	39.3	103
33	08/11/2017	13:38	Level 3B	1088	73.2	221	0.11	46.5	104
36	08/15/2017	10:47	Level 9	1827	78.1	547	0.04	25.6	103
37	08/17/2017	11:04	Level 3B	988	38.7	653	0.28	56.8	106
38	08/21/2017	12:54	Level 9	1944	100.4	375	0.08	30.1	108
40	08/25/2017	12:13	Level 3B	1045	46.0	517	0.30	39.3	108
41	08/28/2017	11:41	Level 3B	2082	77.8	716	0.09	26.9	109
42	09/01/2017	11:43	Level 9	2182	112.4	377	0.08	34.1	109
43	09/07/2017	13:03	Level 9	1874	164.4	130	0.04	30.1	101
44	09/11/2017	11:11	Level 10	2140	86.9	607	0.12	26.9	104
45	09/14/2017	10:36	Level 10	1997	82.5	586	0.16	21.3	107
46	09/19/2017	11:22	Level 10	2071	84.8	597	0.14	30.1	105
47	09/25/2017	11:41	Level 10	2065	89.4	534	0.10	19.6	108
48	09/28/2017	14:01	Level 10	2038	85.2	572	0.09	24.3	104
49	10/06/2017	12:03	Level 10	2014	97.7	425	0.11	17.6	101
50	10/11/2017	10:37	Level 10	1967	78.3	632	0.06	32.0	100
51	10/16/2017	11:48	Level 10	1997	86.1	538	0.07	34.1	105
52	10/19/2017	10:35	Level 10	1908	79.9	571	0.10	26.9	110
53	10/24/2017	12:00	Level 10	2207	92.9	564	0.08	56.8	110
54	10/30/2017	12:26	Level 10	2212	89.9	606	0.07	36.5	111

#	Date	Time	Shot Location	Distance	Scaled Distance	Max lbs	PPV (in/s)	Freq (Hz)	Overpressure (dBL)
55	11/03/2017	12:57	Level 10	2021	84.0	579	0.07	32.0	113
56	11/08/2017	12:37	Level 10	1984	86.4	528	0.08	28.4	104
57	11/13/2017	10:36	Level 10	1886	75.0	633	0.10	28.4	113
58	11/16/2017	11:08	Level 10	1913	77.8	605	0.12	17.6	107
59	11/21/2017	10:42	Level 10	1869	79.3	555	0.10	28.4	107
60	11/28/2017	11:40	Level 10	1837	75.1	599	0.10	28.4	109
MAX							0.30 (in/s)	124 (dBL)	

**Aggregate Industries
Rockville Quarry
June, 2016 – May, 2017
PINEY MEETINGHOUSE
39.07572, -77.22272**



**Aggregate Industries
Rockville Quarry
June, 2017 – November, 2017
PINEY MEETINGHOUSE
39.07572, -77.22272**



**Aggregate Industries
Rockville Quarry
WILLIAMS GAS LINE
39.08370, -77.22540**

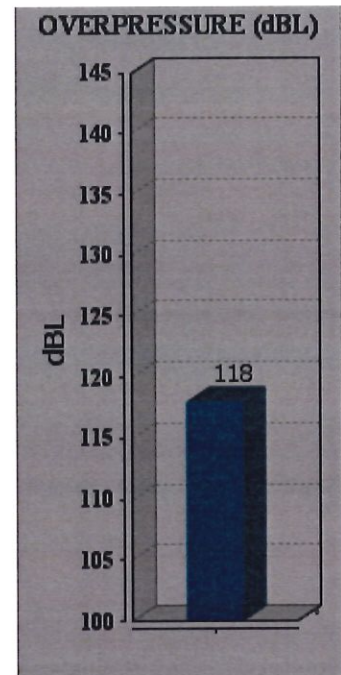
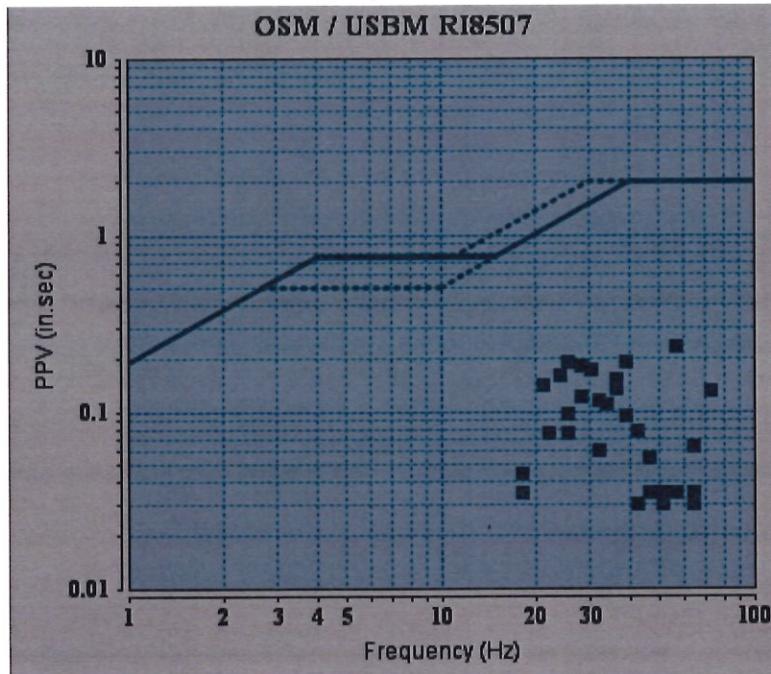
#	Date	Time	Shot Location	Distance	Scaled Distance	Max lbs	PPV (in/s)	Freq (Hz)	Overpressure (dBL)
24	06/01/2016	11:52	Level 5	1865	83.1	504	0.08	42.6	108
25	06/06/2016	11:02	Level 5	1791	69.7	660	0.10	25.6	110
26	06/10/2016	13:00	Level 5	1782	54.7	1062	0.06	64.0	110
27	06/16/2016	10:27	Level 5	1765	53.6	1086	0.10	39.3	110
28	06/22/2016	13:57	Level 5	1683	44.7	1417	0.15	36.5	114
29	06/27/2016	12:58	Level 4	1637	117.9	193	0.03	64.0	103
30	07/01/2016	10:30	Level 5	1562	62.1	634	0.08	22.2	114
31	07/11/2016	14:03	Level 5	1762	47.8	1361	0.12	28.4	113
32	07/29/2016	11:40	Level 5	1604	53.9	887	0.23	56.8	114
33	08/09/2016	11:06	Level 9	3308	109.3	916	0.04	51.2	106
34	08/12/2016	11:25	level 5	1726	67.4	656	0.12	32.0	114
35	08/18/2016	11:41	Level 5	1834	70.5	677	0.04	18.2	109
36	08/23/2016	13:01	Level 9	3346	95.8	1219	0.04	18.2	108
37	08/26/2016	14:47	Level 5	1560	49.5	995	0.19	25.6	112
38	08/31/2016	11:37	Level 9	3266	93.5	1220	0.04	56.8	107
39	09/06/2016	10:35	Level 5	1583	59.0	720	0.14	21.3	113
40	09/12/2016	12:50	Level 5	1535	45.9	1119	0.14	36.5	116
41	09/16/2016	11:27	Level 5	1593	53.8	878	0.11	34.1	117
42	09/22/2016	13:52	Level 5	1492	49.0	927	0.13	73.1	112
43	09/30/2016	12:38	Level 5	1409	45.4	963	0.19	39.3	115
44	10/05/2016	11:01	Level 9	2870	134.1	458	< 0.02	-	< 115
45	10/10/2016	12:14	Level 5	1364	33.1	1696	0.16	24.3	116
47	10/19/2016	11:46	Level 5	1425	33.9	1764	0.18	28.4	112
48	10/20/2016	10:59	Level 9	3034	144.8	439	< 0.02	-	< 115
49	10/25/2016	12:54	Level 5	1382	33.3	1724	0.17	30.1	116
50	10/31/2016	10:35	Level 5	2197	171.6	164	< 0.02	-	< 115
51	11/10/2016	12:57	Level 9	2942	123.9	564	< 0.02	-	< 115
52	11/21/2016	10:42	Level 9	3504	173.7	407	< 0.02	-	< 115
53	12/05/2016	14:23	Level 9	3520	165.4	453	< 0.02	-	< 115
54	12/13/2016	11:29	Level 9	3376	151.0	500	< 0.02	-	< 115
1	01/05/2017	11:24	Level 9	3425	148.0	536	< 0.02	-	< 115
2	02/08/2017	11:26	Level 9	3166	145.7	472	0.03	42.6	101
3	02/16/2017	13:56	Level 9	3226	127.8	638	0.06	32.0	107
4	02/27/2017	13:52	Level 9	3437	101.8	1141	0.06	46.5	108
5	03/07/2017	13:36	Level 9	3435	103.9	1094	0.03	51.2	107
6	03/13/2017	14:15	Level 9	3551	141.8	627	< 0.02	-	< 115
7	03/20/2017	12:56	Level 9	3429	114.4	898	< 0.02	-	< 115
8	03/29/2017	15:41	Level 9	3518	171.3	422	< 0.02	-	< 115
9	04/06/2017	13:51	Level 9	3513	110.0	1020	< 0.02	-	< 115
10	04/13/2017	13:34	Level 9	3496	154.7	511	0.04	46.5	108

#	Date	Time	Shot Location	Distance	Scaled Distance	Max lbs	PPV (in/s)	Freq (Hz)	Overpressure (dBL)
11	04/21/2017	12:59	Level 9	3583	141.8	639	0.04	46.5	100
13	04/27/2017	11:37	Level 9	3575	164.6	472	< 0.02	-	< 115
12	05/02/2017	11:24	Level 9	3540	126.8	780	< 0.02	-	< 115
14	05/05/2017	10:35	Level 9	3574	344.0	108	< 0.02	-	< 115
15	05/11/2017	11:40	Level 9	3587	148.5	584	0.04	64.0	104
16	05/16/2017	11:22	Level 9	3585	129.3	769	< 0.02	-	< 115
17	05/19/2017	11:48	Level 9	3604	135.1	712	< 0.02	-	< 115
18	05/24/2017	12:04	Level 9	3623	146.9	608	< 0.02	-	< 115
19	05/30/2017	11:45	3B	1862	79.9	543	0.08	25.6	118
						MAX	0.23 (in/s)	118 (dBL)	

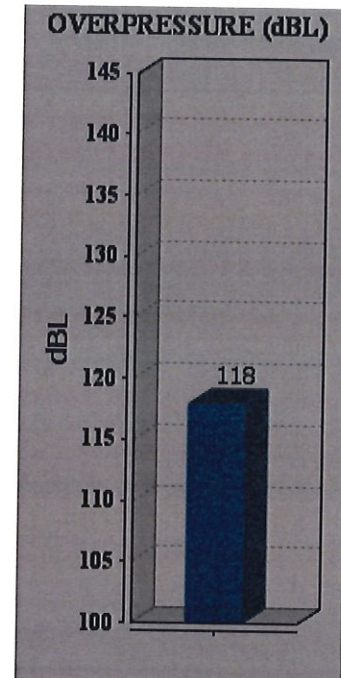
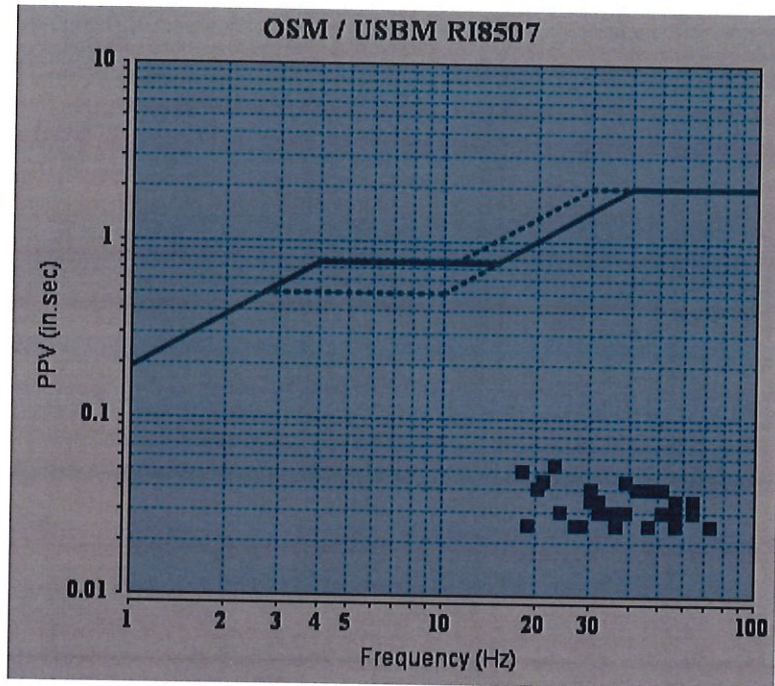
#	Date	Time	Shot Location	Distance	Scaled Distance	Max lbs	PPV (in/s)	Freq (Hz)	Overpressure (dBL)
20	06/02/2017	11:37	Level 9	3637	151.1	580	< 0.02	-	< 115
21	06/06/2017	13:01	Level 3B	1946	53.4	1327	0.06	23.2	117
23	06/14/2017	09:27	Level 3B	2029	90.8	500	0.03	24.3	113
24	06/21/2017	12:57	Level 3B	2049	64.8	1000	0.04	21.3	118
25	06/22/2017	11:29	Level 9	2871	141.6	411	0.02	26.9	117
26	06/28/2017	09:43	Level 3B	2061	88.7	540	0.05	18.2	114
28	07/05/2017	11:48	3B	2106	95.1	491	0.03	24.3	115
29	07/11/2017	11:46	3B	2128	95.0	502	0.01	0.0	118
30	07/14/2017	14:03	Level 9	3709	142.5	678	0.03	32.0	114
31	07/21/2017	10:36	Level 9	3760	150.0	629	0.02	36.5	110
32	07/28/2017	10:22	Level 9	3648	143.7	645	0.02	28.4	112
34	08/02/2017	11:33	Level 9	3597	157.9	519	0.02	46.5	107
35	08/07/2017	14:27	Level 9	3482	158.3	484	< 0.02	-	< 115
27	08/09/2017	13:34	Level 9	2990	283.8	111	0.02	73.1	100
33	08/11/2017	13:38	Level 3B	2244	151.0	221	< 0.02	-	< 115
36	08/15/2017	10:47	Level 9	3473	148.5	547	< 0.02	-	< 115
37	08/17/2017	11:03	Level 3B	2178	85.3	653	0.04	20.4	118
38	08/21/2017	12:53	Level 9	2919	150.8	375	0.03	51.2	105
40	08/25/2017	12:12	Level 3B	2222	97.8	517	0.02	18.9	116
41	08/28/2017	11:40	Level 3B	3210	120.0	716	0.03	34.1	106
42	09/01/2017	11:42	Level 9	3389	174.6	377	0.04	46.5	106
43	09/07/2017	13:03	Level 9	2977	261.2	130	< 0.02	-	< 115
44	09/11/2017	11:10	Level 10	3201	129.9	607	0.04	39.3	103
45	09/14/2017	10:36	Level 10	3240	133.9	586	0.03	36.5	108
46	09/19/2017	11:21	Level 10	3239	132.6	597	0.03	64.0	108
47	09/25/2017	11:40	Level 10	3277	141.8	534	0.03	64.0	108
48	09/28/2017	14:01	Level 10	3299	138.0	572	0.04	30.1	105
49	10/06/2017	12:02	Level 10	3310	160.6	425	0.04	30.1	104
50	10/11/2017	10:36	Level 10	3082	122.6	632	0.03	64.0	104
51	10/16/2017	11:47	Level 10	3401	146.6	538	0.02	56.8	107
52	10/19/2017	10:34	Level 10	3336	139.6	571	0.03	39.3	111
53	10/24/2017	11:59	Level 10	3260	137.3	564	0.04	42.6	109
54	10/30/2017	12:24	Level 10	3391	137.8	606	0.03	56.8	107

#	Date	Time	Shot Location	Distance	Scaled Distance	Max lbs	PPV (in/s)	Freq (Hz)	Overpressure (dBL)
55	11/03/2017	12:55	Level 10	3372	140.1	579	0.03	51.2	105
56	11/08/2017	12:36	Level 10	3445	150.0	528	0.04	56.8	106
57	11/13/2017	10:34	Level 10	3363	133.7	633	0.04	64.0	109
58	11/16/2017	11:07	Level 10	3431	139.5	605	0.04	32.0	104
59	11/21/2017	10:40	Level 10	3432	145.7	555	0.04	56.8	108
60	11/28/2017	11:38	Level 10	3429	140.1	599	0.04	51.2	110
						MAX	0.06 (in/s)	118 (dBL)	

**Aggregate Industries
Rockville Quarry
June, 2016 – May, 2017
WILLIAMS GAS LINE
39.08370, -77.22540**



**Aggregate Industries
Rockville Quarry
June, 2017 – November, 2017
WILLIAMS GAS LINE
39.08370, -77.22540**



Dyno-Nobel
Rockville Quarry (Dyno)
WEST FENCE - VALLEY OAK CIRCLE
39.07933, -77.23064

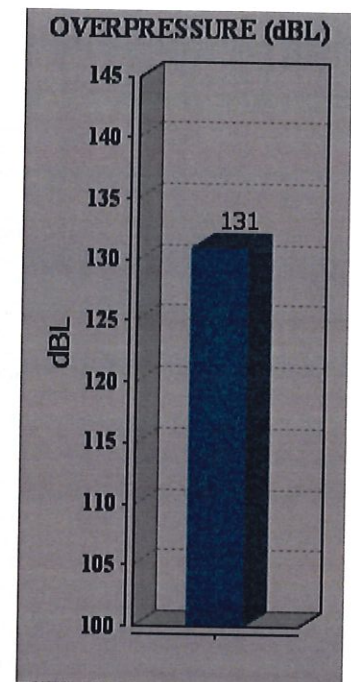
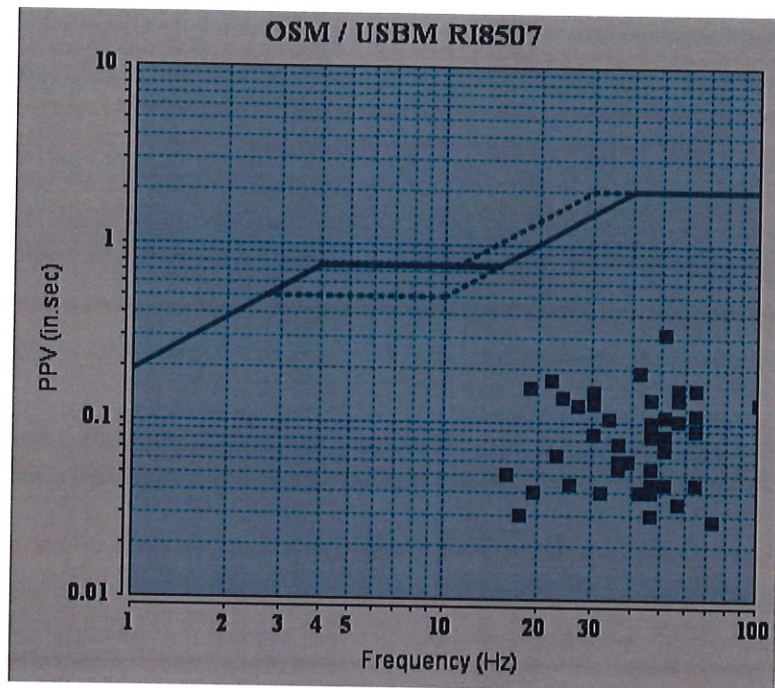
#	Date	Time	Shot Location	Distance	Scaled Distance	Max lbs	PPV (in/s)	Freq (Hz)	Overpressure (dBL)
24	06/01/2016	11:49	Level 5	1091	48.6	504	0.15	30.1	118
25	06/06/2016	10:59	Level 5	931	36.3	660	0.14	24.3	123
26	06/10/2016	12:57	Level 5	1084	33.3	1062	0.13	30.1	123
27	06/16/2016	10:29	Level 5	947	29.0	1068	0.10	34.1	127
28	06/22/2016	13:58	Level 5	1066	28.3	1417	0.31	51.2	129
29	06/27/2016	13:00	Level 4	1183	85.2	193	0.03	73.1	113
30	07/01/2016	10:32	Level 5	1067	42.4	634	0.17	22.2	119
31	07/11/2016	14:05	Level 5	1168	31.7	1361	0.15	56.8	127
32	07/29/2016	11:42	Level 5	1232	41.4	887	0.12	26.9	127
35	08/09/2016	11:08	Level 9	1338	44.2	916	0.11	51.2	116
33	08/12/2016	11:27	Level 5	1021	39.8	659	0.15	64.0	120
34	08/18/2016	11:43	Level 5	1348	51.8	677	0.05	16.0	127
36	08/23/2016	13:03	Level 9	1377	39.5	1219	0.13	102.4	120
37	08/26/2016	14:49	Level 5	1291	41.0	995	0.16	18.9	126
38	08/31/2016	11:39	Level 9	1275	36.5	1220	0.14	56.8	118
39	09/06/2016	10:36	Level 5	1312	48.9	720	0.11	64.0	128
40	09/12/2016	12:52	Level 5	1263	37.8	1119	0.13	46.5	128
41	09/16/2016	11:29	Level 5	1357	45.8	878	0.08	46.5	131
42	09/22/2016	13:54	Level 5	1363	44.8	927	0.10	56.8	127
43	09/30/2016	12:40	Level 5	1411	45.5	963	0.09	46.5	130
44	10/05/2016	11:03	Level 9	1027	48.0	458	0.08	51.2	111
45	10/10/2016	12:14	Level 5	1433	34.8	1696	0.09	64.0	128
47	10/19/2016	11:46	Level 5	1537	36.6	1764	0.08	30.1	128
48	10/20/2016	10:59	Level 9	1137	54.3	439	0.06	23.2	115
49	10/25/2016	12:54	Level 5	1443	34.8	1724	0.08	51.2	124
50	10/31/2016	10:35	Level 5	829	64.8	164	< 0.02	-	< 115
51	11/10/2016	12:56	Level 9	1048	44.2	564	0.06	36.5	115
52	11/21/2016	10:42	Level 9	2131	105.7	407	< 0.02	-	< 115
53	12/05/2016	14:23	Level 9	2069	97.2	453	0.04	56.8	107
54	12/13/2016	11:29	Level 9	1461	58.1	632	0.04	64.0	118
1	01/05/2017	11:24	Level 9	2058	88.9	536	0.04	46.5	113
2	02/08/2017	11:26	Level 9	1177	54.2	472	0.08	36.5	113
3	02/16/2017	13:56	Level 9	1213	48.0	638	0.19	42.6	116
4	02/27/2017	13:52	Level 9	1393	41.3	1141	0.10	46.5	116
5	03/07/2017	13:36	Level 9	1457	44.1	1094	0.07	51.2	116
6	03/13/2017	14:15	Level 9	2063	82.4	627	0.04	42.6	118
7	03/20/2017	12:57	Level 9	1675	55.9	898	0.06	39.3	115
8	03/29/2017	15:41	Level 9	2077	101.1	422	0.03	46.5	116
9	04/06/2017	13:52	Level 9	1632	51.1	1020	0.04	46.5	118
10	04/13/2017	13:34	Level 9	1681	74.4	511	0.06	36.5	110

#	Date	Time	Shot Location	Distance	Scaled Distance	Max lbs	PPV (in/s)	Freq (Hz)	Overpressure (dBL)
11	04/21/2017	13:00	Level 9	1781	70.5	639	0.06	46.5	109
13	04/27/2017	11:38	Level 9	1804	83.1	472	0.03	46.5	102
12	05/02/2017	11:25	Level 9	2051	73.5	780	0.04	51.2	104
14	05/05/2017	10:35	Level 9	2041	196.5	108	< 0.02	-	< 115
15	05/11/2017	11:41	Level 9	1873	77.5	584	0.04	46.5	113
16	05/16/2017	11:21	Level 9	2030	73.2	769	0.03	17.6	88
17	05/19/2017	11:47	Level 9	2032	76.2	712	0.04	19.6	106
18	05/24/2017	12:03	Level 9	2039	82.7	608	0.04	32.0	103
19	05/30/2017	11:44	3B	1546	66.4	543	0.04	25.6	117
						MAX	0.31 (in/s)	131 (dBL)	

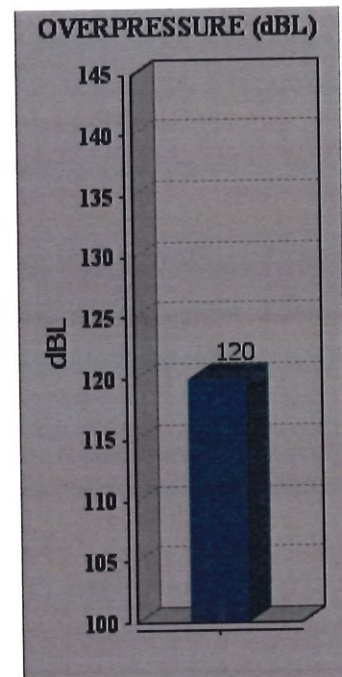
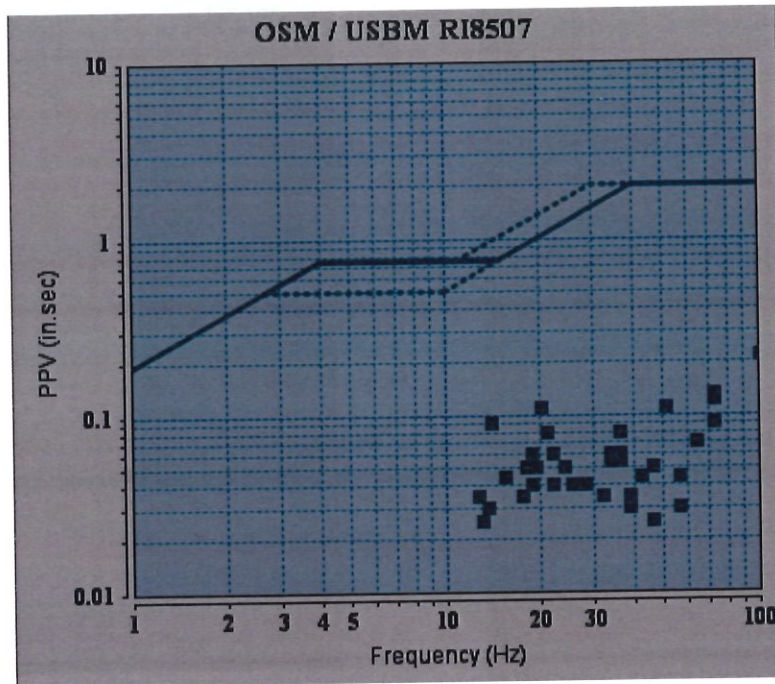
#	Date	Time	Shot Location	Distance	Scaled Distance	Max lbs	PPV (in/s)	Freq (Hz)	Overpressure (dBL)
20	06/02/2017	11:37	Level 9	2023	84.0	580	0.04	39.3	92
21	06/06/2017	13:01	Level 3B	1565	43.0	1327	0.06	18.9	100
22	06/09/2017	11:22	Level 9	1931	79.4	592	0.04	28.4	96
23	06/14/2017	09:27	Level 3B	1547	69.2	500	0.03	39.3	99
24	06/21/2017	12:57	Level 3B	1615	51.1	1000	0.04	56.8	103
25	06/22/2017	11:29	Level 9	1125	55.5	411	0.08	36.5	112
26	06/28/2017	09:43	Level 3B	1645	70.8	540	0.04	25.6	110
28	07/05/2017	11:49	Level 3B	1489	67.2	491	0.04	17.6	98
29	07/11/2017	11:47	3B	1496	66.8	502	0.02	13.1	99
30	07/14/2017	14:03	Level 9	2074	79.7	678	0.04	18.9	100
31	07/21/2017	10:37	Level 9	2058	82.1	629	0.03	56.8	104
32	07/28/2017	10:23	Level 9	1917	75.5	645	< 0.02	-	< 115
34	08/02/2017	11:33	Level 9	1921	84.3	519	0.05	46.5	113
35	08/07/2017	14:26	Level 9	1768	80.4	484	0.04	32.0	112
27	08/09/2017	13:34	Level 9	1136	107.8	111	0.09	73.1	99
33	08/11/2017	13:38	Level 3B	1548	104.1	221	< 0.02	-	< 115
36	08/15/2017	10:46	Level 9	1728	73.9	547	0.04	12.8	100
37	08/17/2017	11:03	Level 3B	1736	68.0	653	0.05	19.6	113
38	08/21/2017	12:54	Level 9	1080	55.8	375	0.11	20.4	110
40	08/25/2017	12:13	Level 3B	1614	71.0	517	0.03	13.8	118
41	08/28/2017	11:41	Level 9	1289	48.2	716	0.11	51.2	112
42	09/01/2017	11:43	Level 9	1433	73.8	377	0.13	73.1	110
43	09/07/2017	13:03	Level 9	1181	103.7	130	0.04	42.6	106
44	09/11/2017	11:10	Level 10	1246	50.6	607	0.22	102.4	110
45	09/14/2017	10:36	Level 10	1370	56.6	586	0.09	14.2	117
46	09/19/2017	11:22	Level 10	1326	54.3	597	0.08	21.3	114
47	09/25/2017	11:41	Level 10	1370	59.3	534	0.06	36.5	117
48	09/28/2017	14:01	Level 10	1410	59.0	572	0.06	34.1	118
49	10/06/2017	12:03	Level 10	1487	72.1	425	0.06	22.2	113
50	10/11/2017	10:36	Level 10	1269	50.5	632	0.06	34.1	112
51	10/16/2017	11:48	Level 10	1599	69.0	538	0.04	22.2	117
52	10/19/2017	10:34	Level 10	1580	66.1	571	0.04	15.5	120
53	10/24/2017	12:00	Level 10	1322	55.7	564	0.12	73.1	116
54	10/30/2017	12:25	Level 10	1468	59.7	606	0.07	64.0	115
55	11/03/2017	12:56	Level 10	1559	64.8	579	0.04	56.8	114

#	Date	Time	Shot Location	Distance	Scaled Distance	Max lbs	PPV (in/s)	Freq (Hz)	Overpressure (dBL)
56	11/08/2017	12:36	Level 10	1664	72.4	528	0.02	46.5	113
57	11/13/2017	10:35	Level 10	1629	64.8	633	0.05	46.5	117
58	11/16/2017	11:07	Level 10	1689	68.7	605	0.06	36.5	115
59	11/21/2017	10:41	Level 10	1718	72.9	555	0.05	18.2	115
60	11/28/2017	11:39	Level 10	1733	70.8	599	0.05	24.3	117
						MAX	0.22 (in/s)	120 (dBL)	

Dyno-Nobel
Rockville Quarry (Dyno)
June, 2016 – May, 2017
WEST FENCE - VALLEY OAK CIRCLE
39.07933, -77.23064



Dyno-Nobel
Rockville Quarry (Dyno)
June, 2017 - November, 2017
WEST FENCE - VALLEY OAK CIRCLE
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DEPARTMENT OF PERMITTING SERVICES

Isiah Leggett
County Executive

Diane R Schwartz Jones
Director

SEDIMENT CONTROL PERMIT

Issue Date: 08/01/2001

Permit No: 203770
Expires: 08/01/2019
Ref. No:
ID: AC569139

THIS IS TO CERTIFY THAT: BARDON, INC - ATTN: RICHARD FREEDMAN
6401 GOLDEN TRIANGLE DR, SUITE 400
GREENBELT, MD 20770

HAS PERMISSION TO: DISTURB 0 PREV. AAP'D

PURPOSE: REVISION

PERMIT CONDITIONS:

PREMISE ADDRESS: TRAVILAH QUARRY @ PINEY MEETINGHOUSE RD,
POTOMAC

The permittee must contact JONATHAN GRIFFITHS Field Inspector at (240)731-1282 or jonathan.griffiths@montgomerycountymd.gov to obtain an inspection prior to:

1. Commencing land-disturbing activity;
2. Installing sediment-control basins or stormwater-management structures;
3. Removing sediment-control devices; and

LOT - BLOCK: -

ZONE:

ELECTION DISTRICT:

BOND NO.:

BOND TYPE:

PS NUMBER:

PERMIT FEE: \$ 21,091.45

SUBDIVISION: TRAVILAH QUARRY

Diane R. Schwartz Jones

Director, Department of Permitting Services

